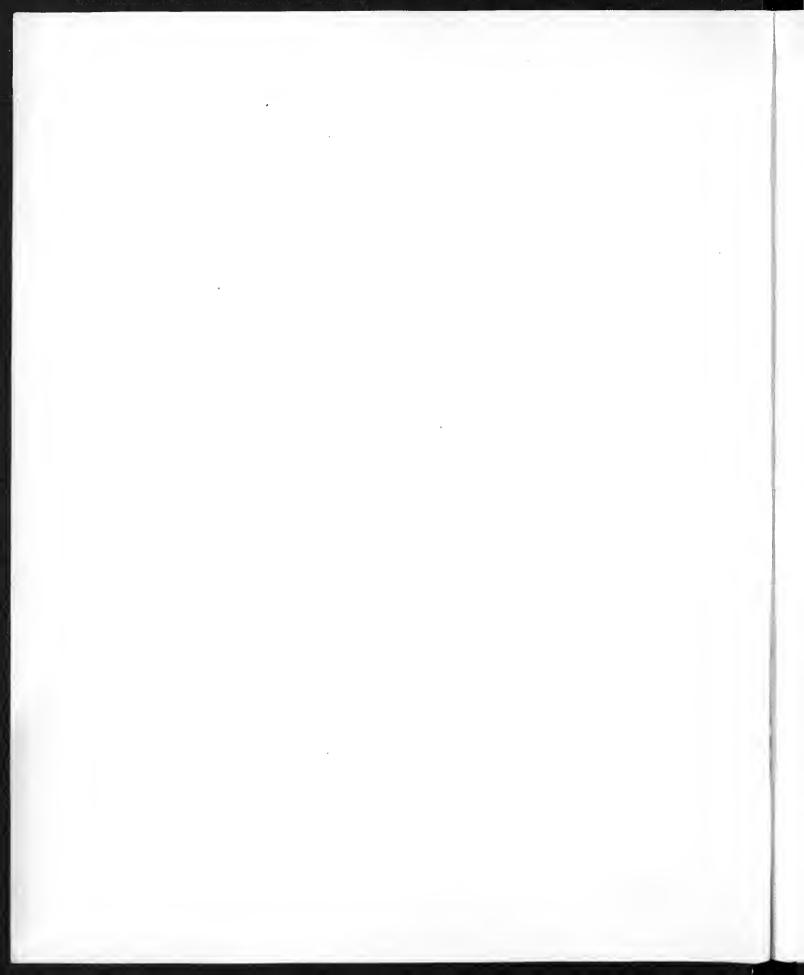


M 25HARVARD UNIVERSITY HERBARIUM. Gram M

Bought





Ineter, Canada. P. July 211: 1859.

My dear Si.

That the pleasure of wishes meining two days are after a short visit. ill. Sen to Unitreal pur hand of plant? at tin 10 present I have only made a war on hechi d ofene of their let love they untain namy bland. suywhe, of week interest and som few Mith Shave seven es and I an before I were enamine their will an delthe lui esperi. del ay as punible are where there extended ly maletes to be returned well care. Much & Toney to exercisely Who we Met- he has published descriptions of tin wary Our of there crawe and a my Heat: The reasonred norm of

The a tim that he has is named amount which was wight. 748. Shit I had hivisimally named luturance famosa and chief he told no way Chonday Janeum Poning a lucy which and there is identiced with you wenter 130 x 131 Short I we for same I Boute, lona cuifuda Pin: I thurs lung he way glad idea I dien a why of these between of hundlich been of wellerly increasing names. I cannot think that Menne Welon to Huckaries all' I see that a un wistames to shower are it would well to be shading but to put a gents culfinend Am Hucheauer and Juneal to plant to h ver Auly alies to Unclefies and ray was to light 182. And Have hovisinally called Unaletin fasts; goete is the Nouth an In A: 118. is decidely, aunas Denax. L. which were for every but of to under . Punt lane encoursed whereard of 100 studies I thousand

Muit of of is Mr. Hole: Mis ale bran umaranens. 1 de b. anner Benghelenin. Mul. aufhaduar Muchaleuris h. c.s. ? 1: 1859. annoto ramulosa. Tarquement armer Waris Hi Mist. You No 100 is Lotion terrolenten L. Het. Prinished And buts to annie & the aunter vandies ill. Lay are planes is to same sheet. To sheet is were then to Heel: is martied of arvense by built and love defene. Suther to cupies is wanes. Have sheriseens may whe, countral well com, for Main and for hidro. is and There here I extentified of me and I also winter line especi. and then a I was decide a them. ly maletes Belus ne to exercisely Juns very Turky tin wary Willian Marin mmm I



My dear Sii, Mare at last finished all the granes you entrusted ne will. I am very sury het Ishneto have lell ten so Ing had very warry of then were critical species and will many of their I find it weens way whe, I me type to with of to whole Terms and this as you turns takes who much line especie ally when that time can uly be hard by matches Have been very much interested on the comments wo am Mos fo to hardrene untulation wany I then make to my herbanin. I morrow I

I wire destalet he hard to Jun andrew intaming all to Monto in ushed to be returned and Mare anne ome few dufiticates from my our bestaming which I thought weight have some interests In you I am sony Mey are wh some valuable and were rumerous ht hardling to week what the unto as my histen unfiels me to do. There of women been unfalled to take as few dufdicates as fundes about with us. In few of the Gods class and Curion granes in alle I think find ateresting. You wenter a you note that you had beend for I hay Hel love expectas une une namer her za n & Tining by warm fray is our that no fte Muis Aung upments who has he

flearme of viery & They is It. Verts
to me Met & P. her delis that is intended
he rend a hanced to me by the office he that it.
had not arrowed when he Catelier left
h. Mark. I am apaid Jum to lane to
blearme of adding any this of value to may
whater of autromaths and harhands of Manusts.
When I return to land and I would doubtle a do so
I thus much value to huteants in mention. They
or am halter too of wight enable as of a sent is
to lained by Pinton.
I thus esteen much any rates about hadrales

I show esteen went any section dut Mallales flaction I feel doubted what we want of their and and I below to ledours to his all of funds a Meries Graminan, as in a I can rul the vaccious whitestat berbaira. In an a

Municipal migned sheries. Fray are my
Mino ugards and unfolments to Do Toney
and with he same to yourself
Mohere me,

Your very hirty

Milian, Mario.

In Gray was sow wind to send so early of M:
Whipple had Plan wh burny in having report, and
Have is unsequence been chillful of sen of Tarers of series
If dainy time for an reading any land I shall be
and Mas of ends has me a such of Perlina daily,
brider bucks And I down them and helice inferfeds.
This:



Thusbers Granines.

I to 5 are all Phalais interruedia Basc:

Murros Notes.

pages 1-11.

The spicula. Priorh: we hallested by Huntl is 1815 and therefore work take freedown of Holfens faither too by Pun: is 1820. is having felimorthoof ever Galli. I. a.M. M. colonum.
is Setaria Statica. M. de B. both the seed smoothis has I have ever from andy observed it. M. toks my like a culticated from of L. viridio.

Henter 76- 1049

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Eine :

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Gulse

MI - Phuluris , Bila, Lohott. 1794 Berlinds & 2440, Rio Sto Marin Bryce, California - Friter 6 plania - 16 38 Coulter Rock bruk Bryle, Genehrus - Revyrade Pohoto to antephora? 11 Leuppays H pago Presides del horto Bujelo 12 hi Duspula - Recor Brigel 13 - distielle Thut-14 Brylow 15 brocklow. Suns Brylow Punicing Colomi? -18 Seturn Italia Brief,

Thursbers Granisses.

And to 5 are all Phalais interruedia Bose:

truction between Adamic and Hexambina, they hot devidently being his halanides . M. fig VII t. s. crammakally good one. Iboher antefoling hundrated a a. Berlandier I tead: to be lun also. Mught you a lutte, 1.637 are the same.

Paricea.

I'd 9. are Cenchrus unyosuroides H. B. K.

11. is autofilina assilliflina. I tener see who chite autofiline alore.

11 × 12 are Lappago ractionsa. Willa: Harling No 250 x Les Minis /21 are therane

12. his is Paspalum Micha. Fay new 1. Leve, autolation, and funfaciones. Brus M. 303 & 342 are the same.

13 x 14 are Pasti: distiction. Lies Hech! Magicalium Su:

15 is Prinches sericea Munio. Pashelum sericeum Scheck a Line Pariana sericesum Schecke. Stend, not Heldrew fictores Dune which has the hande, of the handle were comfined and has quite a different, appearance. Bright 1912793. Sindh: 5/1/1 & brune 37/1 are all the same.

is briochloa acuminata K. a gros spenies will dishinguished by he unequal glusses and quite dishinet: from I amuntata. I brothlos an Heldrus is certainly a geord genus well marked by the callons joining of the spicula. Inish: won heldeshed by Huntl a 1815 and therefore must take freecolouse of Holdrus hullished by Dun: in 1820.

is Paricum [Chinochloa] em Galli. L. a.A. M. colinum.

is Setaria Statica. A. de B. will the seed smoother than I have cieve previ-

Henry 76- 1047

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- 24,20

Bulse

Detaria virie is. 19 sucrto ic paysum, Bigel. antisell 20 Buno Mito 2095 Works 11 22 Soula Couz. Panicum virgatum Rock Ereck, Bigel. Limpio 11 " large specimen Painter Camp. P. bullosa Expormises & Wrights l'owergens Fronterd, Big 11 30 Rock Cock. " // P. Juscum 2091 Trought 383 Drum, 797 20701 2091 ", 2332" Berland. 11 Pan, giganteum, Schule? 348 Drummond 11 P. obtusum Santa Cruz 7 35 2092 michs 36 Van Home Mells, Beil. 11 Rock Creek 11 " Whijs. Laguna Coloraia, 1. Lenco stacum Rock Ereck 40 Pan, une exermined, Thurt, 11 Elbolo of the Riv Grande, Bigel. Lonora 1021 8h, 11

Thurbeis Graminea. Manienne, continued. 13. No 19 to 22 are Scharia candata M. A. Sch. Might No 800 & Sandres 139 are the same. No 23 to 2h are Parisum ringeture. L. buft in 25 the vergens are unusually hirale. his 1, 2 Nº 27 & 28. are Iteliere Paricum measurement Jang: van hulbroa. of Dear also !! ocubermain, of Lag: 216. The ligales are fringed is which it differs from, mascimum. ins; Dr. 298, 30 are Paricum divergens Mail: (1817/ 1. cognetion Schuth and 41 and Thin; A. autumnele Box: (1826) &: 289. cs the same. mo Nos 31 to 33 and Marriage fusuum Sw:! It 34 is Panieum agrostoides Mahl: doffers from h. grgantein Scheele in Zen in s having the herms fluver bearded at the afun whereas a gigartion star said to be glations. I have it as brum? 343. uren No 35: 37. 38. 39 are Marieum Museum H. B. M. Brun : 371 & 382 and Hartweg 24-20 No 344 au all the same. Bulse is Parieum Scharie Juniseties Pin: This was want with he preceding. Nº 40 & 41 are Passieur, leurschaun, HD. 11. will narme leures is 40 will very hierate rageres in 41 sureM. He syn: we unecous amongsh which I include Pani: cum (Bigitainia) Phrestrine Rin: a formul fever hanches to the handle . -Lendle 722 x 723 are the same as also Man: Californium Deuths is Hiels Hech all well distinguished by the much aumirated hern: flower. Nº 42 is Panicum relutions un Shabil. & Thin, N. 113. contains too plants. Party as the same as No 112 and the Me. hanh is believe from of the capatione Lower short hedicals very char to the victione L. & the Acesianum Wyil & arust. There exceedly runilar sheriners wheter by bruglas in the W. Coast.

Stifea Musiana Top. Lindh (S. ciliatus) 44 m. 263/1849) Truks 45 Might 1848 - I5. Drum, San Diego, Col, Parry 46 S. virescens Setgreaue 48 S. Limbricha Bigel Bree Wright ireft, 50" Inim bres 57 S. hyalina?. Bigel. 52 Stipa or Onzapsis? Wrights. (Hert, Torreg) Large Shipen, Och 13/33 Big. Whip. aristica spiciformis a purpulue Rio Leone Bright Busho del linte Bright 1777 Bell. Court Bushe, Bright 2006 Wright 2004 Nio Dingin Rigil 293 Dung.

Murties Grammen. Stipacine.

No 44. 4h. 47 are Stipa ocligera Mesh. I heesian Din. I lenchrished in I calicate I bish a write district in its long din and dinally otriped hatea. My ofer: from Sur alheimen is 5ht.

No 45 a Stile and

N. 45 is Stife curinens lav. I uncomata H. M. M. van luge ours lata, class tinch from the preceding in the feater his ate all view.

No 40 is I viresiens H. B. M. Justally a large fores of a caralea & I Justicità. and

Nº 49 x 50 are I finbriala H. D. H. varying into I. caralia Part. Coulter So. 1454! in Ht. Houte or he same.

No. 51 is S. hernata? I. hatter doubtfuhwich the falea hubereach all wir . If it is I hernata it would be ver S. The lower hach if the air is were a less hubereach. Indging from a single shewing I should say it was enter: mediate between I hernate and I Izavitsiana.

Nº 52 is and openmen of S. finbricta HM. H. Me same us 49 x 511.

Nº 59 is I tennissima Din: was to I hyaline. Leaves remarkably sections.
Nº 54 is Arysolisis now; the on perhaps I microantha Din sub: Markers.

De 55 is Stipa viridula. Prin: Share see it. for, Coulting House Part (breez)

At 5h is aresteda subspiceda Dine, Heleire, Sendre esmall scrap for compaison from Galapages Ist: the only frece I have love.

No 57. to 11 & 113 & 16 h are new any forms of a Junjunia Mate: brim " No 293. ' a 394! Wright 743! & Lundh: 5/12! which is a requirement of Solute are the same.

person par - vi

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- 24-20

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arishdu purpuen. A. Bullers Fren 67him Bernadines Thurster, loobre Bryce. 69 a scheidenn aff Colte Bigel Longue Coloreda Birg Mujs A. Scheidiana Cooks fring Briel 72 Colre, H. Erystin By A. referration? Big Whip. 14 Mudetermiel Tulure Milly. Blake. Huh For, 75 A. despersu Fort, June, Muy Thomas 76. A. Californica Color no desert. Ichol, H. Ins, 77.

Murtinis Granienon . Stiffacio continued. 12 ,3. No. 1/2 a hu Gow of a. Junpurea with few fluvers and very ling awas a and are the same as a Lindh: 5/13! which is a, Manericano. Schuele. 4.2 N. 15. The same form will the poles remarkably scalines. " howas It 17. a more doubtful from as the pales is unusually glabons. ers; In how hay, Seem at any rate a good variety destinguished by the very short pedicels. Hey are a. Pendleriana Hend: Hure Poudle, An 973 and have called it in Att Moullan a. un: sh: hear a. digante Erro Pendler 978 which Stendil calls a. Ingisela's the same plant. No 10 x 71 arcotides Schredeaux. This Iboliere, they are also very olive to a linguia; La me or opadicea and a complanata. whie : a. Schredeana Par. Ibelie . By my notes Ine U.A. Might 745! in Ali Montion was also a. Schiedians zu Ein Orgotisis, also Impline a. Scheedeans the seems also to une very rear to and assiftholdachoral tennis 4.1.11. Lay histally An yil to you the - 24:20 Mulse same. I have examined them carefully hat have been much hugy lid. 1.74. " anistides discurreda AD. M. as I understand Mich plant, buy due to a. long of dia Rin: Mught 142! and Sendler 97h! Sunsidie the same. 08 Plavie The glunes very unsiderally. approaches very ducly to a leverified lavan with the hateral setie lunger than there described. No This a. dispersa Dein: but it inglit to be called by me of Murch, names. No tig 7411 of bright is he same. Sofy. austide (arthratherum) un: sh:

Lyon zu, phleartes Byil, Colum nifa tricholefais mlips 79 80 Vilfor atilis Redro puita Physle 87. V. utilis Im? Gooks spring, Byel. 82 1. filiculmis Pluzu Curya Big, Whip, 1973 wright. Sporotolus 1996. Mryht. 85 J. Eundones That, Cooks Spring . Bigel Opper Republican Engelh Bryle Thurt. 1980 Mz. agrostis serticillation I Thut, a. Eparutu Corbre Bryll

.

Murbers Graminea. Agrostidea. ,3. No 78 is Lycums phlesides H.B.H. Might 750 ! is he saw. In Herts Dinis 2 Citi: Bublic foulle 1/140 is L. Malarvides 1, 1 Na 19 & 80 are hilfa tricholofies Dor: a gen openier new to Munkea. Pin Refection ' hord constriums by hairy. The carry fires varies went in shape from nearly is; globular to an Mung wate from N. 81 is telfactilis Done Jane as Suidly N. 559. No 82 is tolfarefund Time or my finin Re same a Hight 74h! and my and dose to of wh exentical will hosmanosa of what I have a she wing from the Columbia. N. 83. Folfa filicularies Mur: a gors openies very due la la fartigica hunci. Len hully differing a size and laving having having hales is which we should de afe whie . prombes housfiedeta. Mapleaus abunt entermediate believe, to plumbe a x h fachgiala and perhales medicale; that several of en lin the supposed spaces of this devision of bolfan Sportellus ought, - 24-20 Mulse to le combined. Cinna macroura Me a van well The calles perfectly omesth. The presence of a callers reparates of from belfa. 08. Mondodus une of: new S. Julvereens, I loughter Muno is Heet: Luite destind. for heightandens. When habe burning dirider in Juiling No phasy are Ihm: ranulosus 11! is Mus: asperifolius Nees et Meyer. Jane as Wright. 737! Nº 29 d 90 are Min: Commandelianus Kill um Die; Lemmutalies Menth & Die: No 91 is Show cryptandres a Gray under expanse. Same as Wing U. 728's Luith: 724! N: 92 is agrostis serticillata File. Son go 3 a 94 are. a. caarata Rin: Le sare as a. asferifolia, a hallens and a. Schiedeana Prins In 93 the glumes are hierate all over Fondle, Nogh 2 or He same.

pun - 1 - - - - - 1

Lin Engle Prefs. Bryst 118 Dippophorus Break Betw fre Posto of Hounds offer Bryck 11 9 P. muoromlatur month of Reas Brych 120 Cotten puphophoroides ojo Culiente Th, 121 2. fem Rylon Entestherum prostrutium 122 form that. 123 -Chevis altra By hhips 124 murcy m- Hut. Common Sp. Bryl 126 6. Braygin 127 Citolo of Rio. S. Bigel 128 6. Cutifolice 2025 Wr. H. Torz, 129 Bouteton Driopola By Whifs 130 heardin Bry, 131

arundinna . Pappuphura and Chloridan.

4,2

arundisien

Nº 118 is arundo Doman 2

Pappophorane.

" Tendos Nº 119. is tappopular (Invectogues finede. Led. Mught you! in the same all' it ers; has the third flower. In Ht. Healts I love called it P. palridum Mr. and Shelene they hothere to phlericies Hord "hatrit:

Nº 120 is Papel: [Myshaplins unish: afection Munion in At, Douth: Same us tright 2001! Not to mucroundation which is hartendary described by Turning as lawing the are awns only as long as the glune's.

N. 121 is little happophenoides Kunth.

N. 122 is a new Genes withe any I Kuns. Spiculis 4 Mr. 2 infer & 1 och ven dof. Len formbus lettes età fertili. Estie.

N. 123 is "Calles te cum portation tresh "This below to Chlorides and come, very chre to Melanocenchiis Nees. The Jenns regimes unacheralle alterations wer in description. There of the liver flower very unequal, who we orangely sistle. Letered cuesta of the poles my are pulleris. When believes luce as his bulse liver. It whose and arted flower the glune, are write as aresnel and certainly have ent plumose aus tre de en. 08

luridea.

Nº 124 is Phlnis alla." Mest.

N. 125.12 h & 127 are "Phones verticillata" Mutt: Lendheine 730. co he same.

Nº 120. is Septuchtnis Greggii. Sans as loright yhu! I considered this a new Genes and called it Leptochlies in Att. Menths! & Att. Hould! had the name is with

No 129. I cales deptochlinis latifolia Munio, in All Months, att P.C. L. You have I drewe adopted the same Menofic same. Ma long 11. 7/13!

De 131 x 131. "Dutelona erispoda Dney" Same an Wright 748! lutriana lanosa Muns in Als Mouth: Di Poney is lottery wer my Gramones told ne this was Chardros in Jeneum Sin: in Imery's Report.

muhlenlergin gloresatu. muches Bryll An wincers liffer him Begil 96 -M. Berlandresi hild Sore hues Styll, 97 M. dehlis, M. grucilis 99 Bry mhippe In. Calumyrostiden 100 1985 Mayles 101 mer, Purkenson, Mis G, han hand Bright Prix Bright Prix G, han hand Dright Prix Bright 10 4 105 107 Might , Mipps . 108 m, distichophylla 1990 nz 109 Colre Byl Epieuropes grueilis 110 Nis Leon Bryl muhlen. undeterne Colre oct. 12. Bright 112 Painted Cours 113 Colre oct. 23/61 114 Presited Carp 165-165-6 boulter, 117

200

Mutheis Gramines. Agrostidese continued. 6,3. Nº 95 is Mullenbergia Almercia Rin. of diffuse, and much handled genoth, ··· Mr. urescens Tim Inthere allho'd differs from her description in as, Z having the glunes ready equal, the handles of the havide shule? ; hurton and the leaves troadicand unto linger. Pers; No gya go. M. Derlandieri Pur: Mne seatrons than usual. No 99 er M. debilis Pun. homo Do 1111 is M. gracilis Pin: avan will the palex remarkably seatines. Nº 191 is M. calamagnostidea M. H. var setà hevine Nº 112 is the same. ___ It 102 is Mr. sylvatica Pois: Las hyulis changetis folisq: angastis. In Ht: Houthan Len Thous called it the unistinanthe ogloaties - harry's shermer is rather. wine . defferent will were Ature glunes. In 115 or the own. Nº 103 is M. calamagnostides, 11 & M. Ingeseta Bout. rulia Nº 104 to 10%. Th. Texano. Munter. a good species apparently winely spread in - 24:20 bulse No 100 M. gracillina, Voney. Ir. 109 2 110 M. distich Splyta 16th so 109 a a war with long awas. In 110 the appear 08 hash of the spile is about untiens. Wight 130! is the rand. Vicampes gravitis Pert. Jan indenced to these their is also Mr. destile. Johny la. a small encushieurs aun is present. He hales are very Muse. I don't think Micampes is a good genus. Nº 112 is the same as 1011. A 110 in M. sylvalica Torrey In 114 is M. near M. Derlandici Non. Pro inpufat to be artain of the species but of differs for Mr. Bulandier in laving he pele outhous only towards the Who and the glune's more ocelores. Nº 115 is the same as 102. Nº 11h is Sproblus rauntoses 11 th var gluris non minguan pilosis No. 117 is Mg of wo on unisetus Med Sol: with the own unusually long.

plinth 76- 1049

Boutetoun Trifida 2022 112, 132 m-B, polystuckyn arrayo Cetolo Brigas 133 Burers huts, 134 Residio del histo 135 forwar the Do, Trishunsha 136 Buck Greek Brig 137 Comp of helley of Dwh. 138 Bi aristrovilles Buss huts Bring 139 B. bromvides for one The 140 Julue Busky, 141 B. junafolis Ruito de agua Schot, 142 B. polyshophu Big whift. But de Rupen Big. 143-144 Heuraphis Junein Troulen Fag. Big! 145 P. Rigida Frost years, May Thomas, deplocation dulia 146 Prieto de Prajour Bry 147 Rock. as. Bight 148 L. intricution Rio 3. Selests. Duor 1886 Thurken, 766 m 205 Goods Spring hor 3/51. Bigel 207 Everade botten Schot hog, 208

Murbeis Graminea. Orlaider, entincied. 12 6,302 Nº 132. Bullena un: of: " Entriana Mightie Munes in Als Brath: Sawa May 14719! -21_3 Dr. 133 to 13h. B. Julystanteya Don: Same as Might 754! a Coulle 792! an. Z Nº 137 x 130 B. trick outha Munder Janen Wugl 752! Putriana submutica. Munio, AHE Mouth; ; hurd Nº 139 0 "D. arcs le divides " Jane a ling the 757! luti; arcstidivides Hunt. Pers; No 140. 141 x 142 are all is my fuins. lutriana juneifdia 11th They cridently very much, be noted will 142 retained. forms St 1432144. Sension a species of Twenshis for what I weget the have of D. unstra. Securtes will 140 returned. Might 747! or the plant as a less abnor. ____ Len N. 145 Meuraphis Janesic For" Jane as Perdle Nog 11h. iche: At 14h. M. rigida " I had named this as Couller Noy52! a Hed; Ping letter butting bleuraphing lanata Mums. usia Nº 147 a 140 LeptoMoa dubie Nabel. " Coulter No 17h! & show are to same in Hest: Dis: - 24-20 Call: buttin where I have called it Diftautire a Mas of lava (Mumo / Wight bulse Thy is the same as also 20% of this Meetin. A. 149 is L. Jascicularis a. Gray & Mich. bifetachre Juses Role B. No 150 is a form I that of L. fascintairs. The aux loger than would and be plant 08. has une the appearance of Lefitochloca Justies. Nº 205 is L. rigida Umms is Heats P.C. b. Janean Mugth yhl! Do 20% in the same on Me 147 x 148. At 208 is Left is an abnormal state Ibelieve. Walnum to me comes reason to L. donnigensis.

Ruelenia Constata In 15-1-Copper hims Bryle Brizopyrum Spiculia Red River heavy Bio E, Bright, 153 154 fun Elezario Bujet. melica Sun Dreigo Busty 1 156, Brown, curmities 2065 m 157 15-8 2068 159 2064 160 Ann? Top &G. Th 161 Oryan het Brych Pon? origin huts Bright 163 Ster Gray form 164. 165 Copper Miss Brigh, 166 Briggsstis Merciaus Cole Bigle 167 E. Rorshin Jun, Louipin Bigh 165 Mycerin pringers Lugar the Mentin Buyl 169

276.5

12 Thurbers Framinia. S'estucacea. 6,3. Nº 151 is Maleria cristata Pers; avar will narrow leaves Nº 152 to 155 are all Bris of your oficetion Hork of what the your one wing ac. numerous, Houte Police, Pl: Pane: reduces this Gener and places Nic. as, Z ; hur Jestine and I think enmenty the many newed glunes and polea are a Pers; try good distinctive, marti. Nº 15% is Melica infrespecta Pin: M. colfendinides Nees. Pertales builas Seunens are M. hoarides Muts: of Mit Have in description. formo Nº 157 to 110 are Bromus ciliatus L. van Jungans No 141 x 142. Poa anna. d. un varies haciente ocutris. Vendle So 931!; ____ the same 15 inches high. I do with them It regide. M: Len No 1/13 to 11/6 Sclerochloa californices Muno is M: Hartw. No 2035 By Sclerochlos iline s I near the genus Whis unweeked atrifies and by a freey the rection Heboltolog wein of Glyceria. Mis bagustis For Meriana Stends forte Pendler 932! Sheliere hach of Geyer No 12 like the same Coulter A 782/is he sume. He way firstly 2420 le Ma angusta Prêst. The structure of the hales scharates it from bulse Maa Welevindes. No 147. is traguestes hilifere Scheele, He same I believe as I lugeus & hely hicke for Us Brazil S: mexicane Sinto Suffere to be the same but the upro wyour and in out confusion whis about confundle to reparate Her area kughtiggs. No 1ho is brage delicatura Dir. Identical with some specimens from Buenes agrees I think of may be too tenella tensh. I death in the a there may be a state of brage hushin as in suspent. It some respects I find hagentin were hille tovariety than any their Jenus. Mught No 2044 guiled by in In their or eleventer In Hiershir untica. Nº 1hg. is a new steries of Solerochton on atrofies chreby allied to Sold: arenomics trees. Pake less emstimonsty news than amal and very generally there are only 3 news. The most of the ragina or parged will long hairs. Jenth 92 - 1849

Junthomin Spicata him, monterey Coul . Parry 170 Triction Tolice censis Louidheime 171 Tricuspis huntien Im Bry. Whip, original 172 2046 mrjh 173 2064 174 779 mr -175 Trouspis pulcheller Legas The 176 Lever Spring Brysle I arencen 787 m., 178 J, con cin Leon Springs Bryce 179 Trienspir 778 m 209 426 hr 775-m. 211 Lolin temulent The 180 Frition Curin B. Gruelen 1 Spul Ding 187 hit Coffe Min Mige 2072 m. J. repens. 2072 h 182 bopper dais Brigal 183 Horden priselle XRXI El Pero Byll 182

4

Nº 184 is Hards'un husellun Mutt.

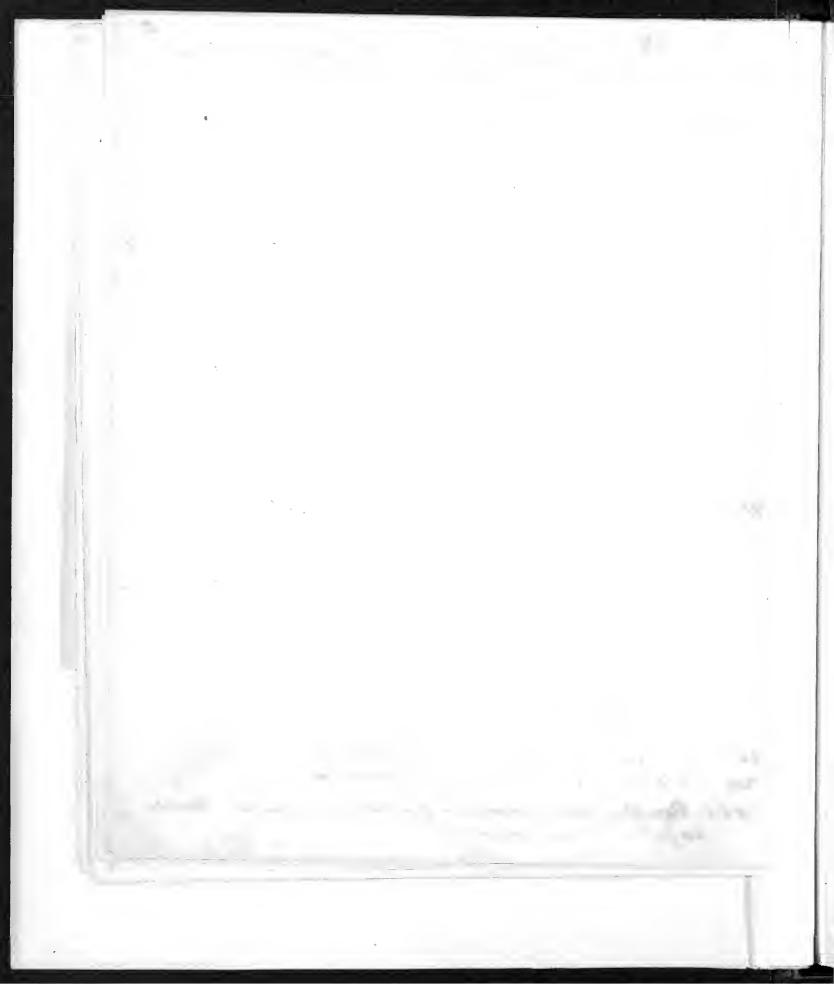
Jenth 92 - 1849

Horden julution, Long, Sto Mura Beyel 185-974 might. 186 Liturion Coffenhuis Bigh 187 End. Fitch. 188 189 munera dypustosa, formore the, 191 Porgel, Muys, 192 munisieris granderes Ste lirung the Heteropoyon hutes honor M. 193 194 andropryon Cundidas 195 Limpin Buyer 196 A. Jurculus Printed Comp Bright 197 Minhes Brigel 198 androporgum Bright Whifts 199 Rio Sende Byl 2103 Wright 200 201 2378 Berles 202 Imperation . 203 Riv E. Bryck 204 Chlowkes 200 766 lingth, 206

12 Murlinis Tramenina. Hordracea, continued 6,32 and anchoping inex. Nº 185 x 18 h are Hordrum Indens L. varadsundens H. B. M. Harling 2025 ! is us, I No. 187 to 190. Sitarion elymoides Nafin: a valuable series showing how ; hur many sheries and even Genera might be made ont of this one. Pers; Pendle Aug 03 is the same. No 1912 192. Murroa squamosa Tom " Sunsider this is a very good remus of homo key wmark Me shoutine ht Ishould place it in there ' nent to ane. Madefies a Ricusfies in the doubtfed ground believe averance and l'estreacère. c.-e..... Len androfuqise oz. :wie . Nº 193. is Manisuris granularis Sw: An 194 x 195 are Hatoropogon histors Mars. L'enterters Med Sch: Might sog! in he cons N. 19h is Chinams citiais H.D.M. Men, below the worder unusually hierate. andulogo, cardidus Mi: It 197 is andropogous percaties Mull. van vagenis hierates C. ternarcieral: from to doffer to laving leaves 3 lever how & shihe, 5- hinder lang. It 190 is andul. histofolius? Mest sanglabresiens Stehere Nº 199 to. 200 are all anchos: argenteus Cards and luc is my finin . In he apparelly glahous sherisuers the woder are munshimmely hurate . There to chammed all very carefully and can point out would, distinction. Dun " 3/1' he man alw a commpletus Med described profite terminal spicula. No 204 is Interata aundinace, lyut. No 205. 207 a 200 will be found at end of Chlorides.

Nº 2016 is Clacuthus oquarrosus Pies fiche ofer: où ums en Kerts Horlies ou futte untes uit specs returnis.

Lenth 92 - 1849

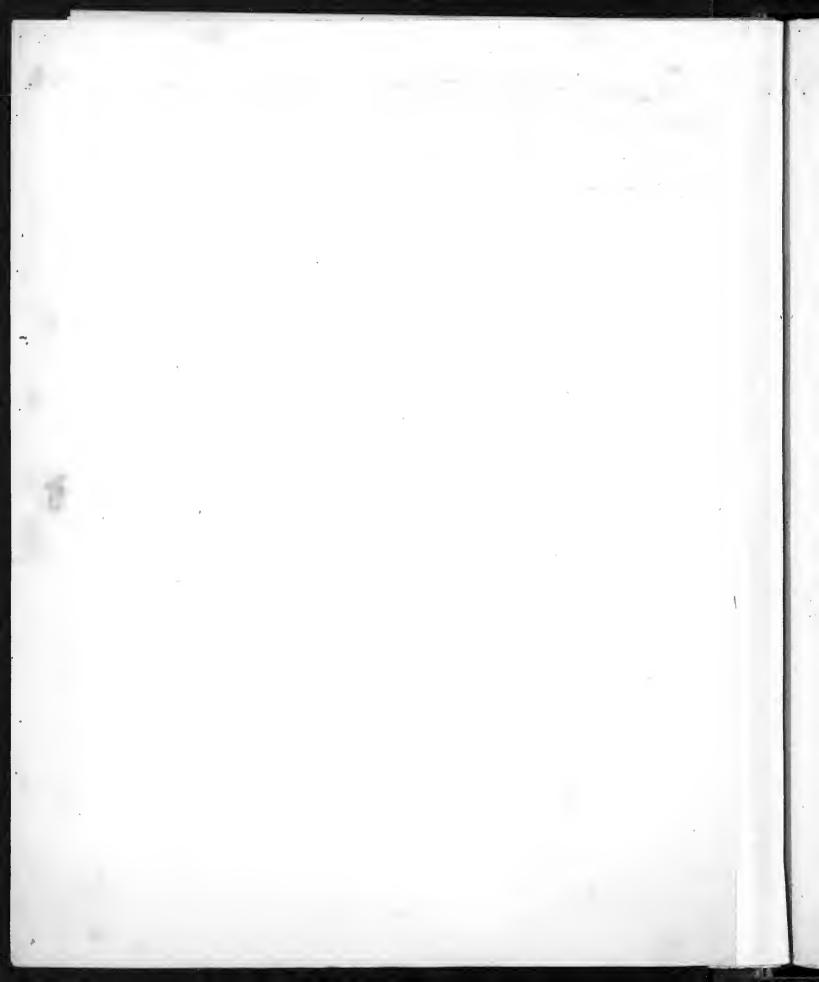


Phularis intermedia Bose; humars it thating, p. 3. I microstudingie De, Out. p. 131; l'americana Ell. Sk. 1. p. 101; (non For,) R. angusta hees H. Bras. 2 p. 391; Potentiles aux; P. Bulgion Receidentales hards in Traves am phil we. h. Jew. p. 144; P. trivalis Mrs; P. Centiformen took & Um. But. Beech, p. 161, 1 the a midely different speakes, the difficult forms of which - die to the stage of deselvent are handly lureties & much les species to be agree with murro in referring them all to the older have of Bose. - In theme of the End, Specinis the divine. 1966 May Mis Bride & File Sonot - Bas Ste morin Bylow; Bolson de Mujuin Eregy, Nos 1010, 024-20 Berland; Along The Boart, Talifornia, Harry, House Fitch solven. Priaria conshrindes H. B.R. I. tal 37; Petr. Sum. 1. 1/308 Supple. 822. tub 7. Evoles Spring the hy + No 2 ce Cercete (Ilycion; 122109 + 2100 lde, (759 + 70-8;0824) The James in some one michly sprinked with Haskin or Eldrich dots or in skin they are cuty I can theels theyarrhem le destrict? Does Mis Hong in Mulandene? I compare Reusuphing 2107 Nr - 1.251 1 25 - 1838 -Lenth 92- 1849

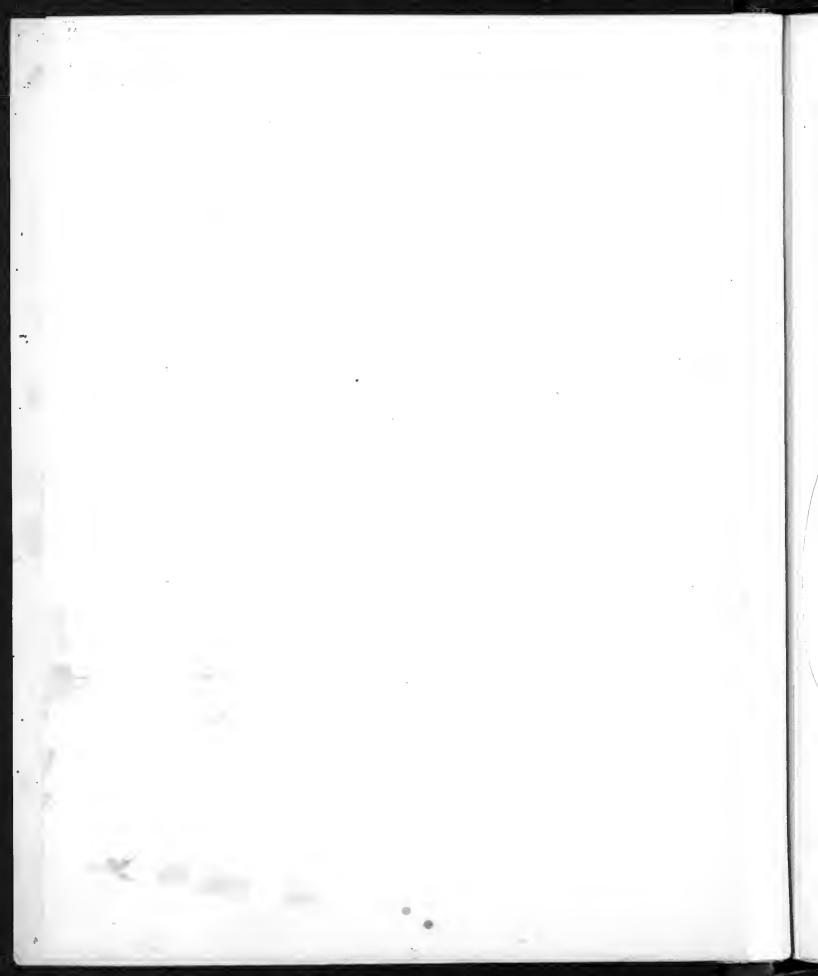
Leganin aquestica. Amon, Hor, 1.674;.

Much Rum 1.6, 10 + Supple \$8. table

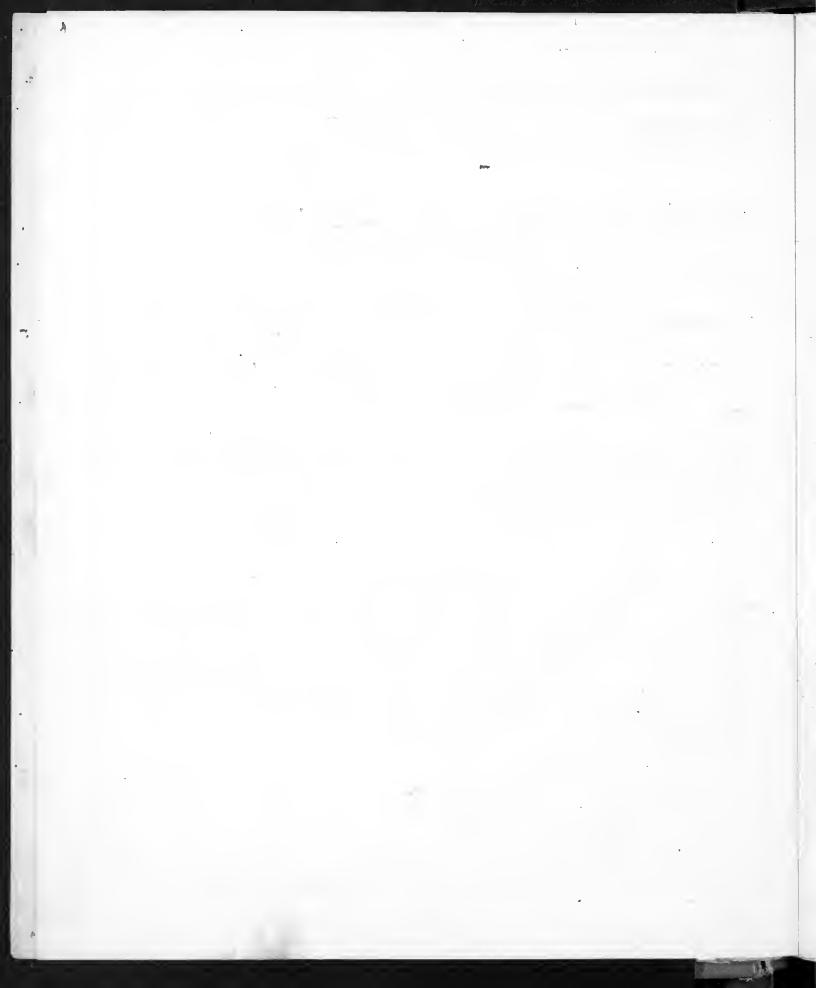
Muriler -



Parace. Anheither a Laplace -



Cenchrus trebuindes Lenni Fran. Vanicac. p. 85, Rio Runda nem dearedo, dehott; depar drumad or Oridele: hum sattito hegie Begg - 983 2006. Cenohrus Edurates RHS, This toc. Im B. Speculis solitaries Fri E.C. 174 6-14 Nio Grande, Folivid -; Cenerga Grande Sreyz - 1 of which he has specimen from your but there is but one spilled in Even of De molucion, Setue of the moluse Reulions, Cenchrus pungens HOSR -1,115; With Sum 18th. mun. 1. p. 166 t hipplit-p 122, ? 6. Cohinatus In put of Fri. Punie. p 85-Berlantia hor 174, 1256 & 2045_ These agree hele with the detailed discription in pMr deplement of . The species is quoted as a type ongue of Co. Ochimatus by Fine, hat our specimes are sufficiently district with in hubit a form of andre en _ Coenderns humor 8 - Rio grude Sohwa 9. _ 1434 Berland



(10 humore) autefohorn afelliflores Stew hyn Him. 1.6.111 hen Engle Pass Schott, hozogg Mr. + 785 ese of 1849, Legas, Dunned 259 of 2 Col; arbsums Dr. Lessen Serenal, culpitore, culms stender 3-6" by h. Thenthe thorter ham the internool sometimes believe on he Mont; leaves hurrow linear, setaceously seem tinto at aper, the loner changeted, Equality, or Electry the auter. The upper 2003 appropriate Their dicuted membraneous stricte shew they gring a kind of mirlure which alonely mints the from all smooth or pilone with southern Francis aspecially new the here, spihets 2-4. Somewhat Capatalate, common ruelis slender snorth - partial Enchis contracted so as to bring the Florito into a more or less globore inhelds which is short prediction, the pedreils hung at live, spirilets I flored outer glume indinated & Michaid, conferent with the Buthin at the nurrow have leving a some Sines Letnen Bush per Drey ten flores spikelits p A cregularly ollows (?) contracts at him & new the april which is trifice. Obsisions sublikate pre somewhat Sprendig her central largest - all more or less greenight - most for largest of slave smooth or minutely scalrons, often longituduially corrugated, Apples glum some or less abortine - magnitude in Souls of it as a surgularly 2 file - Floret bely in Sudi spikelet, closely Duringhind by the lower Shows Bover pulea Egynolling the top love glas · oflang - 3 fix at aprep , 3 ment, command & some hy

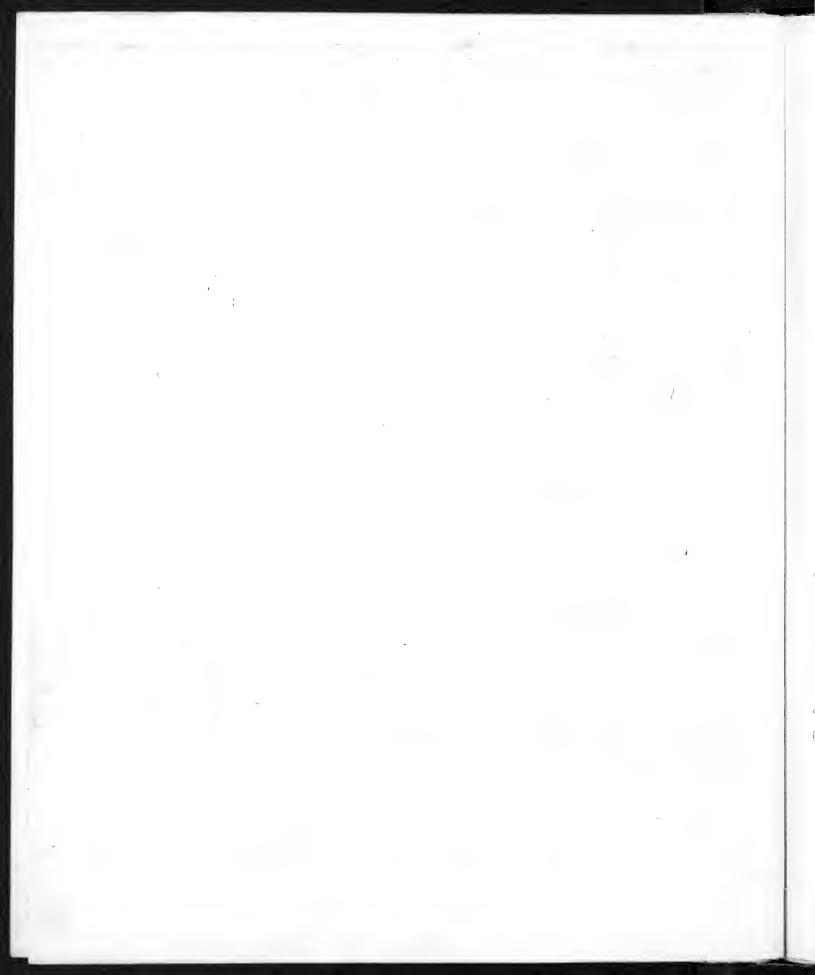


hourinte- mobile by the lover-Drug ovois, Styles Horgald, puple -Truis of Entres antifhore to a Lection of buchers, but the hunt species seems generically districts -"Mut are il punctulata & a. Belungeri Few? Sufspago aliena Arenoj Eucemosa Mila, mi B. occidentalis. Aucena Bloryata densa peduncalis diflores -Le. aliene Spreny; Steed Lyn Pl. Elm 1. fo, 1/2

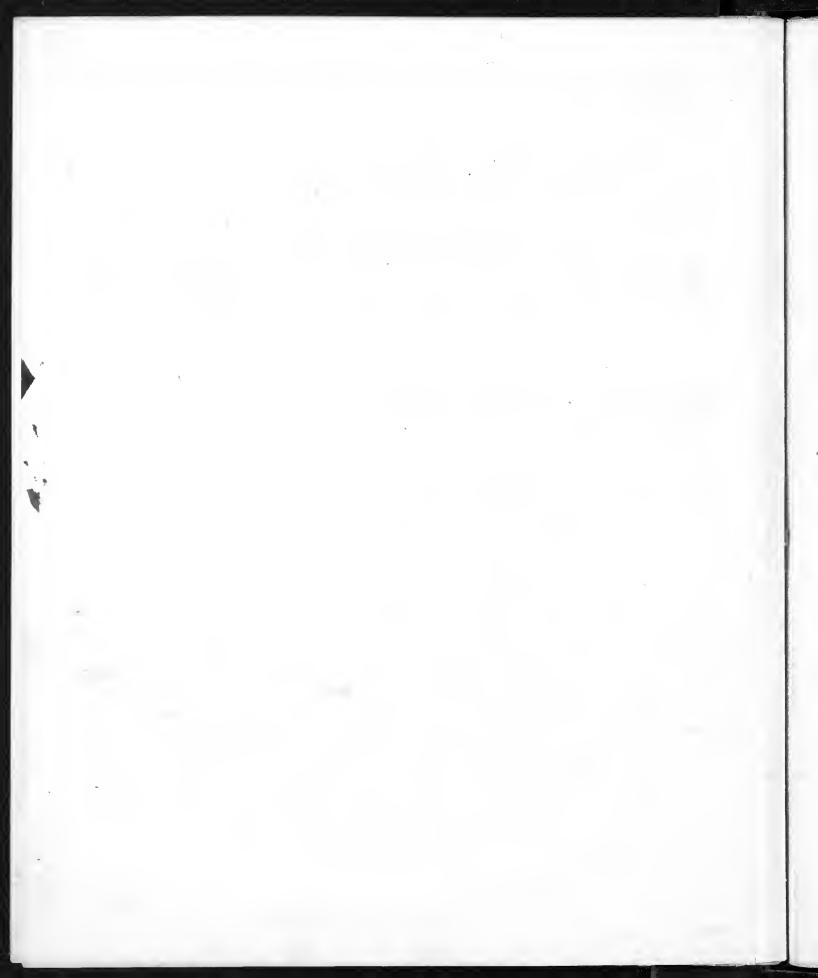
Trayes occidentalis hus in Hor Brusil. 2, p 286,

bythese Encenom Book Pl. Hurting p. 28,

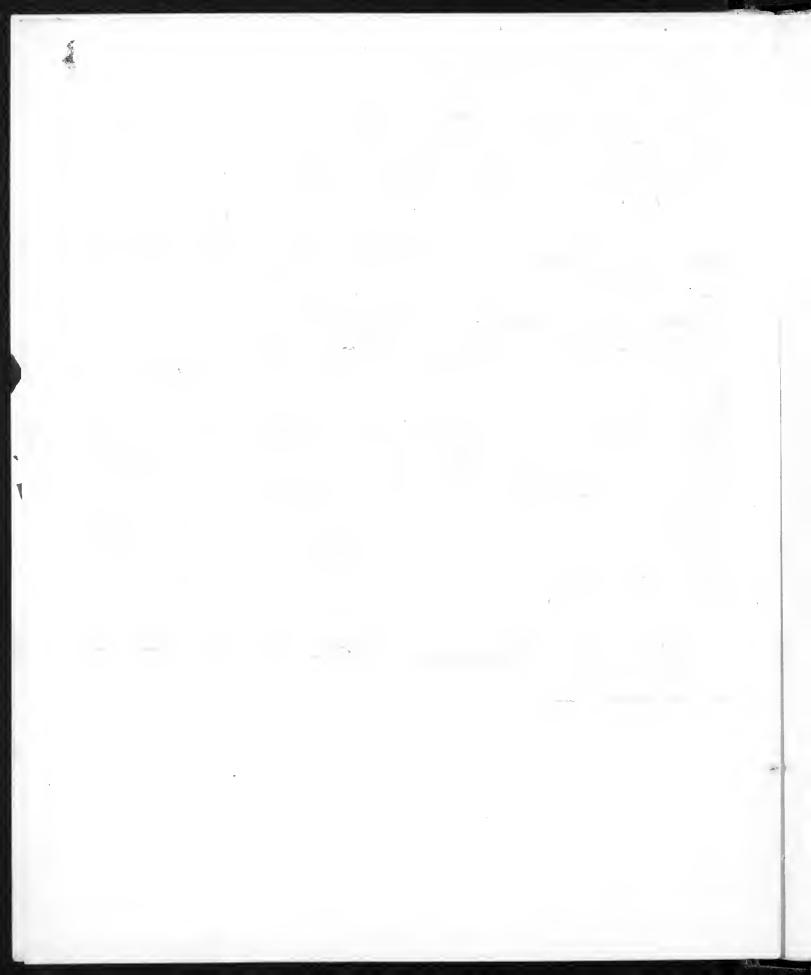
Macenne 1-3 andies long. Henre - ped vieles 2 flowed florets dente hat not attende at the apayis in spaketh mity mentrus, Malea of neutral Horet 5 neved. Oslimite with laistes from a bullons hore - the browner upunds - leves strong g bring circula Head i del horte & Burro Suts Thyclory Town, Truster; no 2110 Arrejot, Beslunder 1536 + 3036 - Thung Lund. Perhaps a Species, minroe The Preside delhate Brigil 11 Lenppnyo

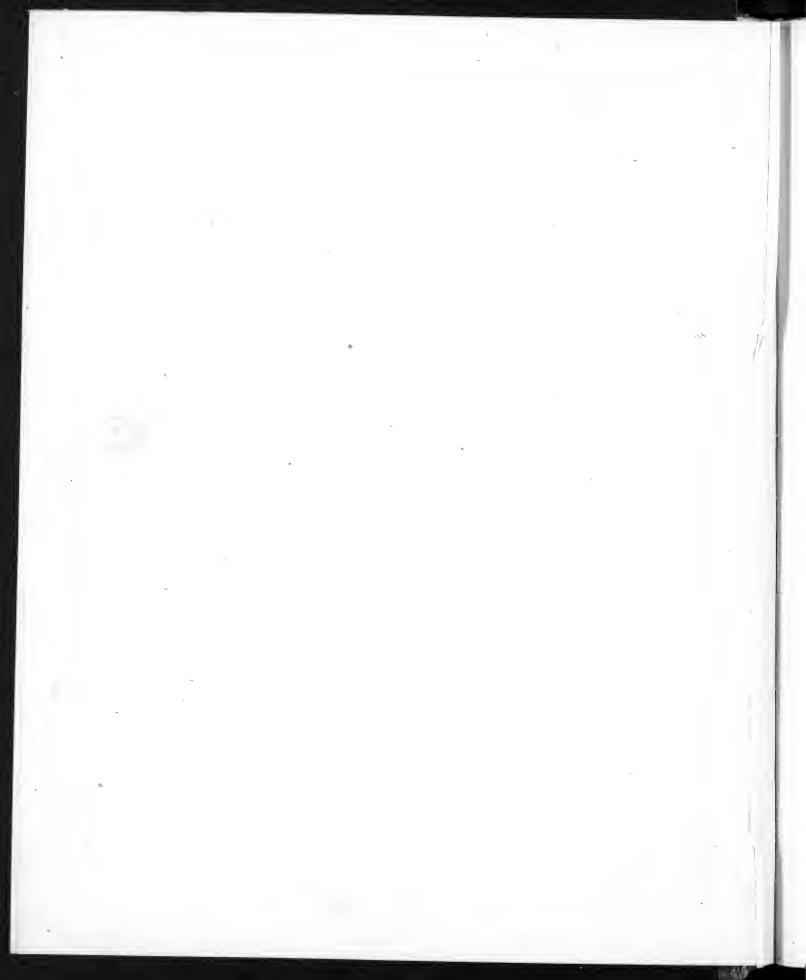


Muspalum distission desin; Eng. hour Ed 2 p. 576, P. notation Henge: Frie punce. p. 53 (teste Elay) Theson schools; Sun Elegario In, Bryce; horos Wright - (13 th 14 Bryce hourse) Vispoulum Lucie Micho, For. 11/1 1641 Fray Lie,? Bownshi of he lecore obyst - (12V hunrol) Paspulin Helopus I prenetation Filing: Irin. June: p. 43; (40 char.) Helofour priloans Frim. Jund agr. p104. 1.6,72, Euschlon punctula Humilt; Rth. Sum Turnds River Leon (Degas?) Bright Oct 22/50 ou plant accords with the descriptions done 3 Legun col, 200 305, 1.368 gurta, but me have seen no constrainte specimes. A slender grans about 3 feet high living & - 10 Erech disturt Russies about as loves on the spiner leder Men. of held on ten the chartete periods my short classification pilore mith hairs with the project as the spikelets, which and articulated by means of a animale maked are articulated by means of a shiften follows agete fulglobore author of spikelets when I have glove 2111 long - starile fe of 1 pulses & with the glove. in funly 5 never. Hermaph Je. otture. senction. bute sport museron ate, Muttates P. rucemon huds in Trues and . Phil

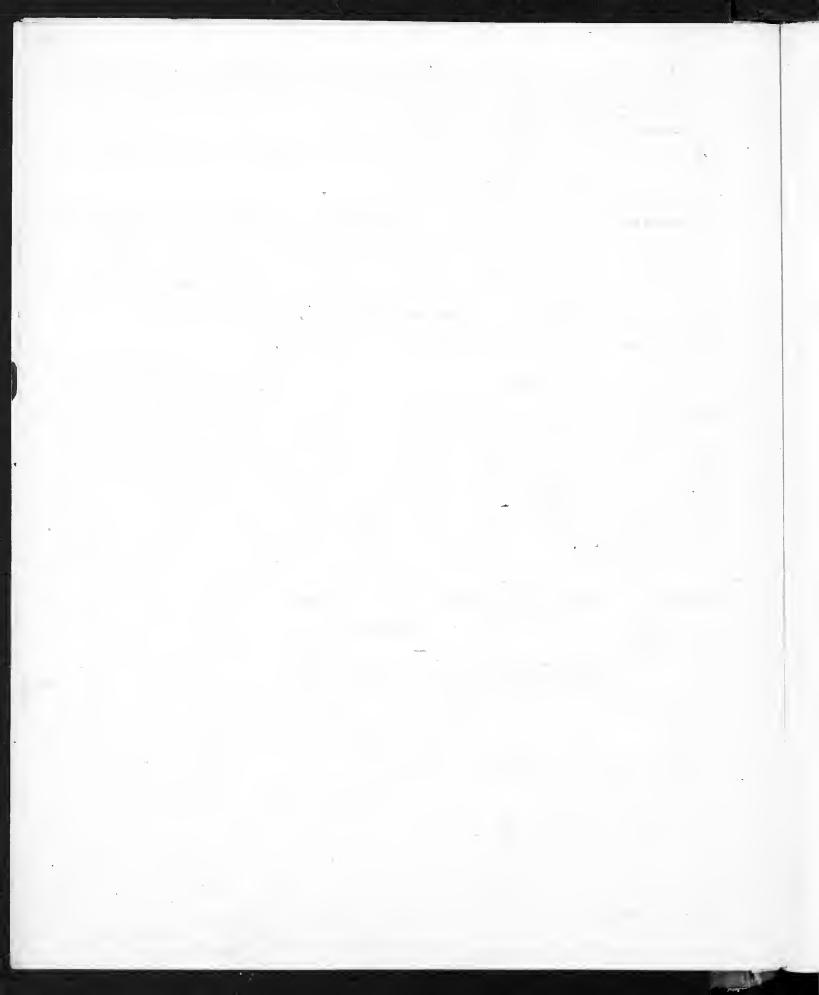


foe. h. Le ho J. p. 145, is The sum grass us for as seen be judged from an incomplete specimen from and River - also in one sets of hrights col of 1849 this and The following Species are myser, under no 741. (15 hunroe France) Paspalum / Helopus) annulutum Heigg i Fran Panie, p. 42 - E Jenvoren Com main tota Wer again & Susting proles cont. Privabloa? anneluta PM Eson p.72 -Sta bring bonown Thurles - ho 2087 hry the word) There Ilin Many Enong 1846, There Ela May Enong 1846. The Specimes differ from them E. Larin ones in having the agis of Eachi pules each I he muse of he firthe floret somewhat. Erons in Jutales or is Esterate our of the Shorter few grusses found on the Silu route, (16 hunse, Th,) Had hot. Helopus better be Reptar ens a Elms? -

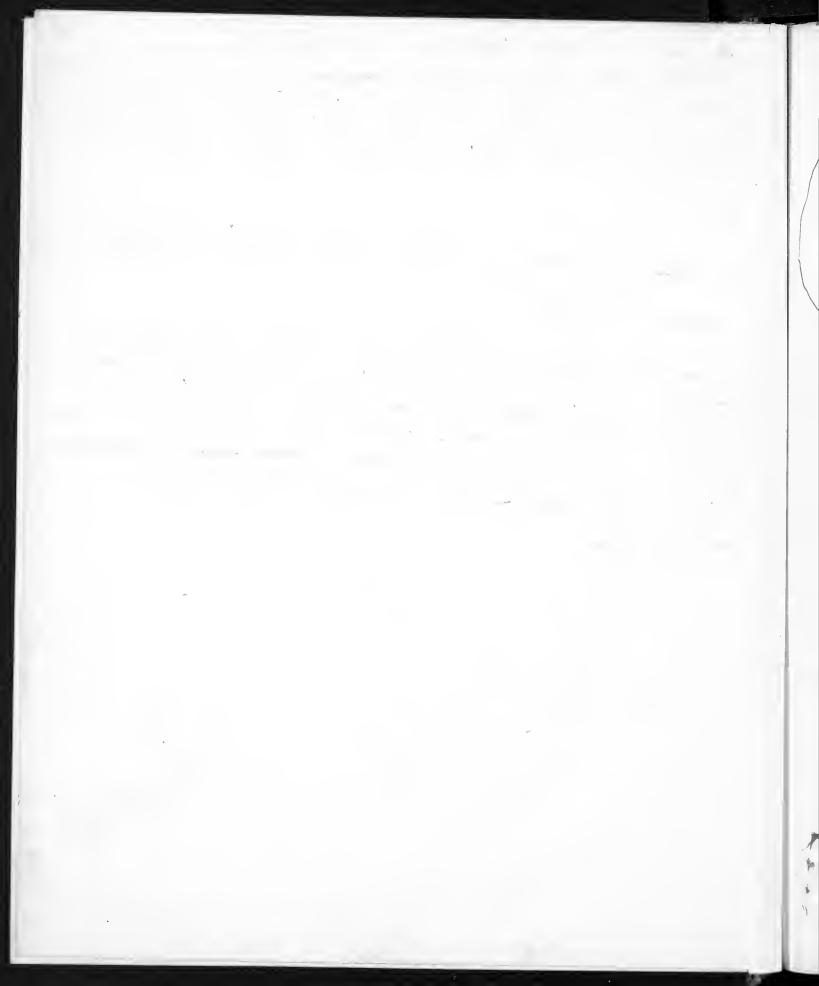




Parison levershoem A.B.R. 1. p 97; Ph Time 1. p. 124 o Suppl. p. 93; Frie Penie p. 167 & Lapph Grum, Supply 103; Brichachue ensularis; succhariflora, et termis Their age Brus (Teste Frie) Paspalum sericem Scheele in Leminen XXIII, 341? Purmon luchmanthum for in Mushes Rept. Presidio del horte Parry, Cempo Bushe Nock Orech Brydon; Butto Into, autiselle, & Sonora The refer the close specimes to P. lenesphase HBR. Which seems to be a bery busidle species and hus been described under other typionys Thur hore genter alove, an species agree as to The spikelets with a Culum specime of Humbold (?) Though the punishe is more triple or contracted. Int in this respect they differ greatly among thurselves as well as in follows Russigs & harifuts officeres have which vurnes greatly in with a paining, in some gente Anothe - Our plant is distinguisted by the reman Ruble silkeness of the flores which is Vullint white - Lecoming ferraginos at antwrity - Brunches of the primate always approprials an the young state sprending when old - sprhelits in pairs I long & I Short Judiculted - 21/2 3" long (induly hims) hope glave muite know the, hypelane, nesself- appen glime 5 hered attended points 5 hered, or by uppropriention of the testeral herens apparently 3 nessed, green hair springing from the marginal news - Moutent gl of I pulan



Merrilan to prop flum but broader. Fortile fl- seng acute, green brown at maliny 3 hard, manitaly principalitation, apper puleur Equality of Sometimes executing the love it temberly pointed - Textime less corinceous than usere in Runden dichotomm Din; Brug hun. Ed. 2. p. 580 no 2085 mm/hr -The are two unditermed species of Burnia in the collection's which are probably underperted - but with for our herest materials we prefer to pussing over them to making more spicies in a gener when they are already There is south so much doubling on donfusion;



Panietur (Cohimohlow) colonin Lemi; Kin Paris. p. 124? = On the Colonesto Schotted hung Thomas is al. Bio Samble + Begelow - no 2084 Essengel - 1 The Short solitary & Eather distint Eucens fine the plant a different as fact from the hept + the spikelets are somewhat mullen -(17 humor ale) 1800 But P. multer Much Sese \$108 & Sle Sk 1.115, Parnow. (Chinochlon) Com-Salli bin; Kin Ohnie . p. 126. Aucinos of Mis polymorphous grass occur in all the collections from Types to California Paricen Seturia) Halicin Sein; Frei lie. Ruin Leson Byil - 807 W' 43 Spikes 15 micho long - Litrodano Panier Setarin | render Som. Then C.c. In all the collection - he widness under their Lecian hear considered as species - some home a spiciform inflores en as in the common blate of the plant while Mes are pumarlate hearly to the trunit - but as lotte forms are found

Letorin bro murve 19 Funto de Physian Bright 20 Burrohits - autisette 21 2095 Wright 22 An army Th, Purious brighter Rock arek Big 24 Simpin Leage Spelin 25 Punter Comp " P. Inlbusun? 27 2086 mayht 28 Copper himes hr. P. drienges 29 Fronten Bry 30 Rock Car

, *

131

in the stone stock he camot consider the punealate one other than the plant in an. alnormal state. Danieum Virgulium Denin; Frin Prenie p. 191, Various localities in nesteur Tagas Buyelon. he have not reciend this spicies from any Station nest of the Riverende - there is seeing to be repliced by the following allied species Puncin helbosen + HBR. 1.99; Ith Enn 1. 1999 a duppl. p 78? Copper mines hen hepico Bryelow; ho 2086 hright, The Specines agree with the description to eight that the punisher is love the feetile flower mountily pence-ticulate - the conspicuously bullions Earth Misons outs because strong files from near its love, Herrican Capillare Lein; Kin Keine, p. 7203 Dear Springs Tepas. Brylow. Pornon autumnule Bosc: The Am. 1. p. 115. Paneir duryers mull, Deser p. 120, Ell. P. Autummele Bosc; Pette. Com 1p.115. Gray man Ed 1. p. Rock Creek & Fronten Leg. Brigelow; hi 2082/122 The 289 Dums 20 Cool. Awries with showths & sprihelets healy glations or densely follows miles cut - Tumos species are

P. fuscu.

31. 2091 hrights

32. 383 Dm., 797 hr. 2332" Berl. glue

33. 2090 + 2091 hr. glued.

Pun. grynnten Schule?

34. 348 Drums.

!

W #

140

quite alliotes plant, of which we have origine from his collection - Bryclous have The spikelets conspicantly having while hore into Parisin Just, Frei Punic. p 169. P. fuscialution Sints: The Emm. 1. p. 94. P. Retroulation forming manays Rep. p. 299.

(in part)

Wright hos 2090 + 2091/1797 evel 1849.) Berland hos 123,902 & 2332/hi). Red Brien Cups muray. Rey Moste Blodgette, 383 Summed 2d Col. Tex. This is a new marked & hidely different their o has been des critere unda serence mans lesides More quoted alove. Frining l.c. muches suriethe a + B. founded upon the more or less company the sprending inflorescence of having thenths - but the difference in our East during specimes is not suffrient for varieties tran. The spikelets and usually reddish brown with reticulations between The man of the glums & pulsar. O. - Leticululing Ton- un funded on a slender state of the plant with stems somewhat decoulet at lase of the reticulations of the fluor of puller more Thun usually conspicuous.

Pottusum.

35 Au arry 707 K.

36 2092 Mr.

37 Pantomer Meles Brig

38 Avekler Brig Mels

39 Leagun Colorado Bry, Mals

*b

26

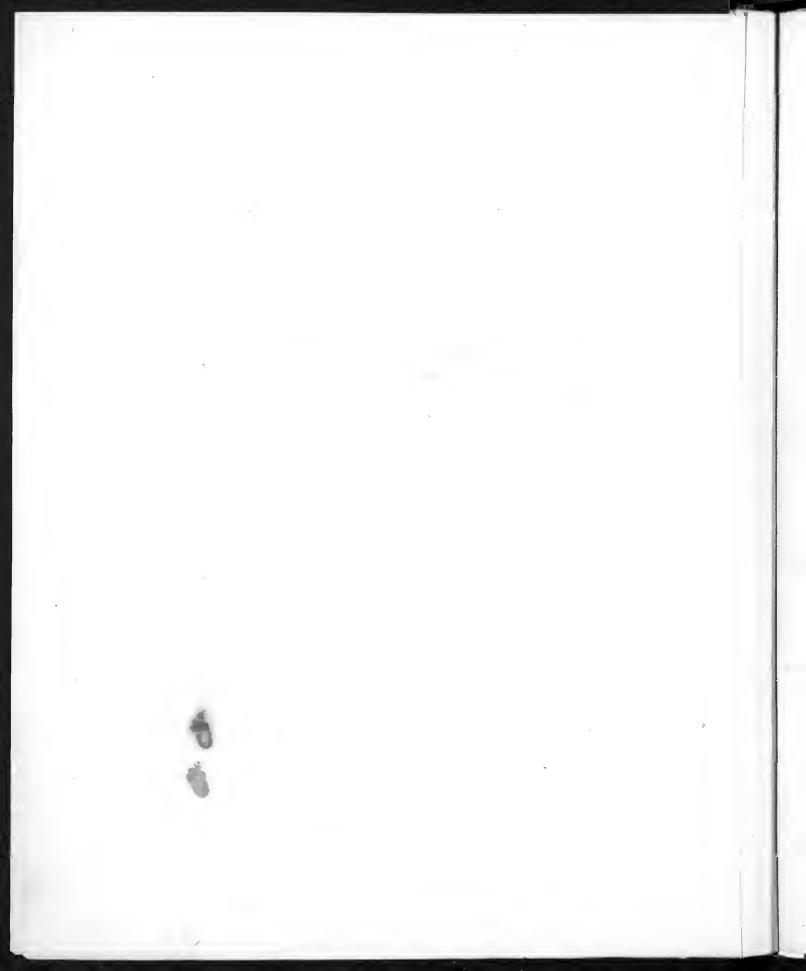
Punicum other MR. 1 p. 98; 7th Blev Steen 2 Jul 116; PM Sum 1- p. 97 + Supple, p. 74; For, in Muney Rep. p. 299. sta Com Source The lear -Western Texas Anglew Mexico Brycloss , Mayth ho 2092 (no 2091 in our set is in part this in part the preceding) no 790 Col of 1849; Berlandin, no 2470; Drumon, no 371 De Cire: Pristèle ; de Edwards; "Rio de Ala Cercy, Renta Le agrin " Selict (Where? July 20/58) This species which is a very about one hus a mide hange. De punes collected it in The Forests of the missipi on Long's tested one have it from Bussies in the state of Coa-Anila - The specimes present a morning of forms some with seng themder punicles with distart Eucenes + Men nish a new mot. Crowded inflorescence - Some of our species, alone that, alone thereby with the figure alone that I he tefer he whole as alone without auch douth.

1. lenerphuem Brokler Brig Sonorn 948th, Jamein undetermine 42 bibbo of Me Riobrante Briel 43 Sonorn -1021 Th.

" d'-

Boundary Stypeneur

Still and Annie



Orocoma cuspidata Aut. Sail. p. 40. Stypu membranacea, Pursh, Fl. 2. p. 728; Hook, Fl. Bor. - am. 2. p 237. Stepa hymenoides, Add. Milium cuspidatum, Sprengs. (Wruchnie / Priocoma) lanata Frin. ach. Petrop. 1834. p.126; Stend, Lyn. Ol. Glum. 1. p. 122. , Stend. L.c. p. 419. aun 3 wiches tony Le, Bigilow, Wright (1996 t

when her Mexican collection. , The puniele is less diffuse han in Those collected in on the Santo dascutchawan - The margins of the

Show heesiana, trai o Bruper. Stip. p 27; Anunes in Ol. Hurtiney, p. 342; Forr, in Mipple's R. A. Surrey. p. S. lencotricha Trin & Prope, l.c. S. setigna Bresl. Rel. Hunke. p. 226; (Fide humrs) S. avenacen, Howle & arn. Bost. Beechy, 1.403. 5. celiata, Scheele in Science 22. p. 342; Steel Lyn. Re. Glum. 1. p. 127.

Grocoma cuspiduta Aut. Ru. 1. p. 40. Stipa membrunacea, Pursh, Fl. 2. p. 728; Hook. H. Por. - am. 2. p 237. Stypa hymenoides, Ut. milium cuspidatum, Sprengs. (hruchne (Priocoma) lanata Frin. act. Petrop. 1834. p.126; Frin & Bups. Stip. p. 19; Stend, Lyn. Ol. Glum. 1. p. 122. Fendleria Rynchelytroides, Stend. L.c. p. 419. Valley of the Prio Grande, Brigelow, Wright 1996 & Parry. also no 979 of Feuden's hen mexican collection. In all our specimens the punishe is less diffuse and the awn shorter Than in Those collected in Oregon by Douglas and on the Santo Lascatchawan by Drummond, moreover the murgins of the Thenthe are more or less silvey-ciliate

Stopa Reesiana, Frin & Bruper. Step. p 27; Brunes in Ol. Hurtiney. p. 342; Forr. in Mipple's R. R. Surrey. p. S. leneo tricha Frin & Brupe. l.c.

S. setigna Bresl. Rel. Hunke. p. 226; (Fide hums)

S. setigna Bresl. Rel. Hunke. p. 226; (Fide hums)

S. avenacen, Hooke & arn. Beechy, p. 403.

S. ciliata, Scheele in Soinne 22. p. 342; Stell fyn.

Ol. Glum. 1. p. 127.

Stepu Resimm Top South (S. celentes) \ 263 /1849) Mr. Might 1848 – I. 5. Drum gliner) Sun Dreyo Gulip: Paris San Dreyo California, Parry.

Shusta & Royne Price Valley, Dr Hulse; Benicia Centifornia, Poryclow; Sucramento Valley, Hattiey (Iw zors).

Fras, Wright, Drummond & Sindheimer.

The specimens above quoted seem to be all forms of one species sufficiently distrigueshed from I. arenacea by the long of mostly colored glumes. The white hairs of the lower brulea and callers, the short upper pulea and barbellate aushers. Heaves variable in with a probescence, in the young plant the leaves beaver strongly citiate margins; hodes glubrous or retrorsely putercent; glumes more or lep colored, often deep purple; love palen Entirely, or the love portion only, clothed with white hairs were when mature, the rubed portion tuber culose.

The one me have returned and if his plant and of his plant. He same, as quided by success, the same, should be preferred, but the latter markets summer, should be preferred, but the latter markets and or support the short infrostable that our support such as it is not improbable that ours in the short ours will prove to be that species sie to around ours will prove to be that species sie to around confusion tetain the same adopted in A. Hartney

Si Wescens 48 - Styrence - glued Si fullrinter 49 Colre Briel 50 - 1997 glad mryst 30" - " S. permeta 5-1- Muller The 5. hyulinn 52 Punte Comply-53. 1999 Mi glued, Stepn or Oryzopsis! 2 ovo Ur - Sculd Bert In. 55 lunge Stepen och 13/53 Big Whip Stepa findriata HBM. 1. p 103; Runsh, Bev. Grum. t. Fut. 43; Frin & Bupr. Step. p. 34.

Wright, no 1997: Copper mins, hen mexico hene L'august. Bryelow.

to well marked species. The baleace marminisquile Hack at maturity when the polescence becomes frown. The lower palea is mostly gettons so hut he awn appears apcentrically attached. The upper pulea conspicuously grooved on the bask and produced into a short mostly incursed nevers which projects beyond the lover palea. The very nearly allied of virescens HBR. was collected in the Luni region by the botanist of leafst. Atgrenous's so pedition. Both Mese species months have more the habit of orgopsis them of Stipe have more the habit of orgopsis them of Stipe though they full into the latter genus as limited by Frimus.

Stipa pennata Lewin; Frin. & Brips. Stips. p. 80.

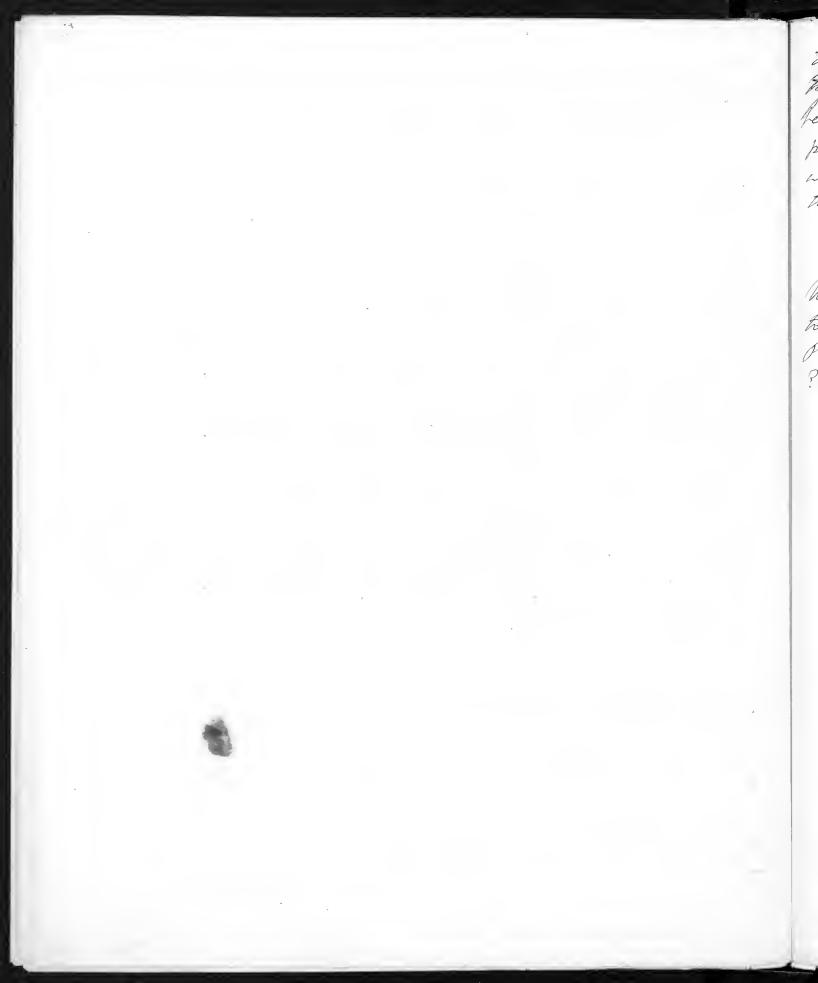
Var. New-Mexicana - leaned smooth, papear putescent
Monghout. Com shorter & less copionsly plumose.

Mira ministro, new Mexico, Thurster (269); Frendler's

New Mexican Collection Ins. 1:)

Scarcely to be dioleignested from Desepoplace specimens

of J. permata Inst before a correlited to this continent



The flowers are somewhat smaller han in the Type " I The aver (6"]") Shorter, mintely pulesent belong the andrewed geniculation, The upper portion plumore with citty huirs, about hulf as long as in the European forms, which dere much shorter towards the aprep Andereloped specimes of what may drove to be Stape hydlein, new new collected of Painter camp by Ir Brigelow | also no 1999 might

a . Spre formis 56. Sun Redro Byll a. purpmen Noo Leon Brig Brendin de horte Brig Mr 2551 Berlands 1777 Bal Cump Bushe Brigel 2006 Mright 20024 An-63 2015 Lampin Byel Dio Lampin Blued 293 Drumm Slued 64 65 66 a Rullens Frem A. 67 Sun Bernadino The Doppen min Bright

Aristidu speciformis Ell., Bot. S. Can. 1. p. 141; Frin & Bruper. Stip., p. 106. Head of Rio Sun Redro, Texas, hor. 1850, Beyelow.

Aristida purpurea, hutt. Frank. Umer. Phil. Loc. 5. p. 145;
Frie & Pups. Stip. p. 107.

a great number of specimens of, what seem to no, forms of one very rurable species occur in The shiftent collections and none of hem are of the typical form of huttate, of whose original strate me have specimes. Orderithes turding the diversity in size, the trunding of the puncle tlength of the arms in the of tremes of the sureties mentioned below there seem no good churacters to nurrant their separation into Species and with the very abundant materials refore us me feel warrenter in reducing many hominal spicies to survities of one - which seems to vary luryely under the uflewers, of B. Berlandier "Radiis contractis, sere sesilitus; glumis treripine dentatis" Frint Rupr. l.c. Tegas & hen mexico. River Leone Oct 23 1150. to Presidio del norte (a scalrons form) July 1852, Bryelow; no 2005 neight (8743 eve of 1849) There agree with no 1777 Belegation Collections, eited by Friend Rupe l.c. phumbers 457. 949, 2379 + 2551 of Bulandies are the same as is and 136 of Southernes collection of 1826.

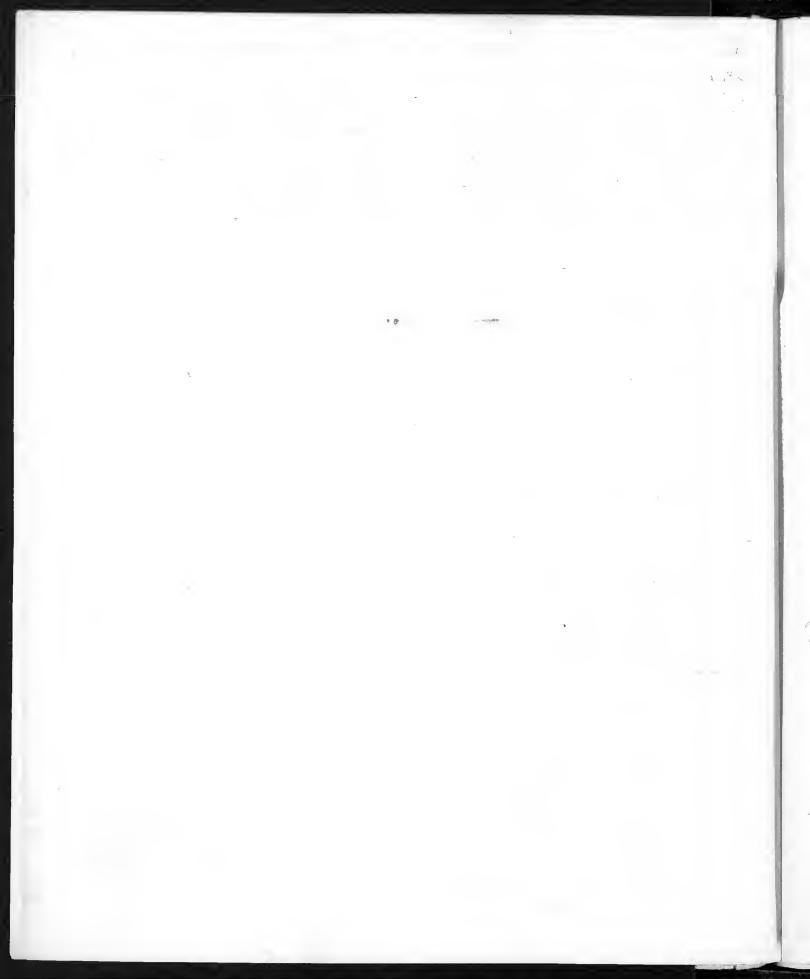
1. C. V 1.

Short, Frencher, Culm 4-8. Munches of punches of punches of punches of flower. a. Fendleriana Stend l.c.

Then Mexico. Fenden ho 973; The minhes, cook's Spring & Copper Mines, Brigelow; Donorn, Thusler 1718)

a Scheideann aff Evere Bryse League Colored o By White a scheidenn 72 Cooks ffring By 73 - Cole - fl. Erystiget Bajel a Refrudtu? 74 - Bin ships 75 - Inline Fally Blake Best To a disperson? 76 Front your my Thomas, 2. Californian 37 Evlorudo Dent Schott Hert 1.

In all Rese burieties the Ropper pulca Oriffers as to longhuefs, in some specimen it is quite glubrous except new the aprept in others it is strongly to Even tuter culous soulions in lines throughout. The name purpose is not viele chosen as the flowers are as ften green as strong when any perfle. Wresta Scheideann, Frin & Bupr. Stip, p. 120. Cooks Spring: hen Mexico, Nov. 1851, Bright no 2009 - 2010 - 2011 & no 745 cof of 1848. The older specimens accord with From. The Showactor of Frint Prefer. In the young plant the sheaths are hairy at the Mirout & sometimes hear a pilose zone at the junction with the lamine. The long trunches of the punicle are strongly compreped with the Edges to eightened repaired, the lover ones sometimes & niches long Erect, sprending or aren Expressed, somewhat mollen at the fruids justin with the orgin. Lower pulea purple . hunted, nith bluck spots, attenuate above into a hvisted unticulate sculrous stipe 6-7" long terminated. by 3 my uniqual auns, he central of which is about 5" long & shightly dirariente, the lateral 1/2 a line long + Erect. In some specimens The lateral along one sourcely perceptible without The air of a gluf. Gallow hearded with com Specious white hairs,



Wristidu dispersa, Trin. & Rupr. C.c. p. 129

Brie Bila . Parry & Schott, Meight 20. 2001 & 740 col. A 1849. Doublfully referred to the above of which he have seen no suther his specimes.

aristida Californica Sp. nov. 1 duction)

Contras cues pitore, dunif, genientate à forsacculatet, brunching, denrely hirsate pulseent, pilore as the Ander. Theaths love, thrite, thater hem the nicker Highty pules can't when young, having at the month of bright thort; from winter, Rudrane leaves 1 h wither long, There of the culm 4, - 1 mich in length, consilute filipin, signie, hair. Punister along 14 inster long, what by formered, periceed, in upper ones whiter, the Munes very much, the love if the in of the lungth of the apper which is about theirs! Ortord, mentramerous, I must which is donely seulvers, wires of somewhat higher at the apery. House shorter Thun the boner ginne, jusijoten topon a culius long in projection to the size of the glove 11 line), conspicuously landed. Come pulin 13/4 - 2 lines long more late & Masic when old, stripply dentrous above. and swited into a tristed, Along their minutely boughered steps which is about their the length of the source prolece with which it is articulated and from which

it suparnies at mutually. When pulen 1/4 as long as The love, hydine, Lynneles 2, Equally the wife puler. Suther ? - theyer? -Caryopsis conformed to the frome, with a comprie-River hilm. Emory, 1846 / Specines furt flowing bestondo Desert & arosen Fort Green, In Laborate de here") This seems to belong to his section brothenth. the american continut. There seems to be a singular mote of bunding as if the surlie flowers because proliferons to protheir a friciale of brunches)

Prost Intel Imong the grupes collected in Dupt. Ostrophes BB Surrey & not determed at the Exports The time of this Exports 9 Coulm Henter, a manes or Thenthe most egent a few their of the most light greeding the poder, deures consolute filipore. Fulsignis, how of hi aren about 3 inches long, smooth. Paincle Equation love, agis benhours as well as the Eurys which are in pours, winted at the function with The agi. Sprending & all Inn the appearant strongly refracted, one about an inch in length 3-4 flowed, he other trulf as long, 2 flowed. The appenment I flower. Elines about to lives long. The love slightly shortest, rough on the midnene, slighty curpitate. husper pulen mobbe below & sported, attenuate, wough & dencely hierted) alone, Equally or shipply exceeding the appear glave midde deta 8 his long the lateral about an him shorter, somewhat duminate, not to me, distinguished by the refracted verys of In puncle.

ariston refraction /sp. nor. I Panish along 4 miches long, Euro in pairs, one that a ten flowed one other longe about to flower signil & mostly Refracted; glass salegual, the upper slightly longer acrite. Sculson on the tucke about smulling the flower which is somewhat attende, soughtoned I sensely this test above. Letter (about 8 lines toy)
subeyond. divine to. Ceany 51. Sept 23-1853. Bigelow in Mapples Epper. Coulm stender, 6 wiches to a foot in Theyth, glutions. Thenthe most equally a slightly exceeding the house with much with much with the house shirt more foligore. Full rigid, More of the arter about 3 inches long, smooth. Paincle Eplater, love, ag's boulours, as well as the Euge Which are in pours, winted at the function with The ago. sprendy of all Inve the appearant strongly refracted, one about an ince in length 3- 4 flower, he other half as long, 2 flows. The appearant I flower. Elunes about to lives long. He love slightly shortent, rough on the midnene, slighty curpilitie. hater pulen mobbe below & sported, attenuate, wants & dencely history alone, Equally in shighly exceeding the tople- glave middle deta & hims long the testeral about a him shorter, somewhat durinete, not antientite

a delicate spreie defferent from any hum. to me, distinguished by the refracted verys of the punished.



X 25%



728; Hooke. H. Bor. - lum. 1. Detrop. 1834. p. 16; Fru · / /p. /22. id. og l.c. p.429. Boundary Stipaciai right (1996) & Parry. (First Dragh?) ale is les differe hore collected by pages 39-45. ne fuschtchawer, warren Outle y character which entuily the differe all Alkrep of the - Mis officiently : . p. 27; ^ humo in (file hums) Trin & Ohips 6. C.p. 28 1, 342; Stew by Show 11. p. 127. Apromyny is correct. S. lencotrichin him the is founded whom a specimen from booker (in ale probability his of of a your state - Contheines Seeines. The species, Now the tune cileate him. - But Prests. S. Letyens is the oldest name & if his view he correct thould be adopted if he whole he not I have table.

Stipacene Viocoma cuspidata Ant. Im. 1. p. 40. Stepa membrunca, Bur sh, H. 2. p.728; Hook. H. Bon.-lim. 2. b. 237. 2, p. 237. S. hydrordes Ob. to. milium cuspidatum Spreng. Arachure (& Erweoma) lundte Frin. Wet. Detrop. 1834. p. 186; Frin J. Rufer. Stip. p. 19; Stewn. hyma. Al. Elum. 1. p. 122. Fenderin regues Physichelytroides Stew. Land. c. p. 429. Valley of the Rio Grande Bejelow, Wright (1996) & Parry. (Hende, how hey. Col. no 979). In all the specimens the painale is less differed and the own thater than in Those collected by Douglas in origon & Driemed on the Suscettohawar, the margin of the Sheath's are more or once. If he thisted aun he the only character which separates Stepa & orgs of sis, then cutting the differe punicle, pointer glines, nemarkable Albert, of the pulea & other characters make this afficiently wistends from ong spices Stipa hersiana Frie & Rupe. Stips. p. 27; Munro in Al. Harting p..... For in Whopple' Refer p. (file hums) S. Lencotricha Frie & Rupe L. c. 1680) 4, S. Letizera Rest. Rel. Buthe. p. 226; Frien & Ruper C. c.p. 28, 2 (S. ciliata Stehalle in Suinea B2. p. 342; Haw by Show, 1.p./2). 185. anemacen, Hooks + arm. Box, Buck-p. 403. Of Hartings plant he really S. heening Frin. Then the Egnonyny is correct. S. lencotrichen kind Aufr. is founded (Summed) Si ciliata Saheele, is sindantly deserted from a your state - bindheines Seewers. The sheems) show the time ciliate him. - But Best's. S. Setryen is the oldest name & if this view he correct thould be adopted if he whole he not I. hicolor bahl.

Munitos is At habery sury of Hutury specimes "servamility swriter S. historis Vahl!"

Might, (al. of 1848) - Contiformine; thereto & Royme River Nulley, Ir toules. Bernisia, Conformine Storyclow, surramed (1-5) & Sindleine 1846.

The Specimens from the close mention collections seems to the are forms of the same species, distring suished from I. arenecea. by the long & colored

glumen, he white hairs of the palen & callers. Me Short appear judea and hashellate anthers.

The judea and hashellate anthers.

Turies in with a pules care of folings, Me your plant has be beares plane with ciliate mangins; nones fully gluterous or retrossely pulescent; glumes more or left average; often deep purple; lover pulear worldy, or closed only below with white hair, Even when do, the maken only below with white hair, Even when do, the maken puttion therealose -scallows.

Stopue (sp. nov.)

Pariale love, rays few flowerd, shillets small, glaves nearly Equal accumulate short cuspidates, mening nearly Equal accumulations. 1/4 longer Than the Morion, Sooner palen corincions, tillows pulment dorsally gillows, upper pulm Equally on Highly according the bone, strongly ground on the back, instructor, accorde at the aper. ansters mutiews, com slender, 5-12 lines long, thightly perientate seem the middle,

hen hapies Wright, no 1997 (Col. 1857-52) &, Brigelow, and he copper himes June (a stured state) & any; theyrewer Camp 19 (Zuni Region)

Coulous. The Short love smooth, shorter Men the selvers. Shouth love smooth, shorter Men the internodes. Seares flut [tonetimes windlete] scalrous on the maryin, more of the culm about 2 miles on the surph. Branches of the lap previole mostly in prins, or the lovermost in 2's a v's, 2-4 flored above the middle, minutely scaleous. Islamed of the love of the supported to the surphible of the span of the support of the

indusated and black at muturity when the billows on the pules come becomes brownish. mostly gillows on the like he so that the aun appears unequally insules. Thepen pulem, Even in the young state considered to the town the young, the acute of mostly brighting beyond the huis somety the hour palen, Callers very short the huis somety longer than the pulescence of the pulea.

Our 2-3 times as long as the form, thinto below of dlighting pulerech.

for its whole length, once on their geniculate, 341

(This down out seem to agree with any specimens or description to which I have accept appears to be a considered with the highes have its somety disin its long a inducated upper halon, its somethy distented four patien of in the specimen period glames.

- It is very new tome species of trygofisis)

?) Stip a permute bein; Thin & Brape. Stip p. 18.

The Res negricular. Such specimen.

Couleur about 2 feet high, Seeves soundete file form, dens smooth. Thenthe smooth longer Than The internotes. Panicle somewhat & trict. 5-5 miches long (exclusive of courts) The lays in pairs of two flowers or whitery of one flowers, creek, love portion of the pairicle michaely by the appear theath. Humes about 3/4 of an aich long, hate green, many arried, attenuate. into a long subulate com of about their own length. Paleau ryund, The love pulescent to The apen which is not attenuate but offere & orroundate; & lines in length. Coulder conspicions 2 lines long, through ay, tearted & with the Julius becoming fus cons with ay. Clum 6-7 mohes long: geniculate, tristed & pules cent. selow. The geniculation the upper to longer portion plumore tilbres tilley hairs which diminist in length hounds he aprey. I hear the River mainles her megies Thursten The 269 - also occur in Featlers hen Mexican Wellertini ho (?)

(might, hos, 2003, 2004, 2006/?) 2 20015-/1857-52); Bujelon on the Lumpie & at bump Buche, Tepus (?). This is to seem I here to be him posts on hus and here found on this continent) That I am found to be like it. It is somety to be briggled what to so hish it. It is somety to be distinguished from Bussian specimes, of that the dies in last. For. The shief points of difference with air in last. For. The shief beares, he smaller to regardly protes can pule (rung, muditeranea mind to have and in him ila) minute pules cant crown to shorter and him him ila) minute pules cant crown to shorter and left plumore aun, which is pulescent upon the light portion,

Aristida Bigelow. no 1826. Nom a. Spicifornis

Wristeda pur prinen, hutt. Frans. ame. Rhil. Loc. 5, /1/37) Frie Hupe . Step . p. 10]. a great hunder of specimen of ofen this very Variable species as an in the collections from different localities of more of them deem to be precisely the lypical form of mittale - Though The 20 tremes of the sureties mentioned below offer widely in size, in the branding of the Juinele & length of suns have seen to be mo goods characters to five hurrent their separation outs The sung abundant materials in our posseprion. (D. Hooker, "Rup contracted almost Lefale, glumes short Libertute Frie & Oupr. l.c. Typus & hen Mexico, Bigelow och. 22, 1850 & Brinds del Note fa somewhat Leakous form) July 1852, There agree with the Berlander specines. no 1777, esto by their Major. Box, 457, 949, Might 2005, XXXX col. of 1851-52 1 20 743, 1849) There agree with he specimens no 1777 of Berlundiers collection, with by Frink Supe, Chrimles 457, 949, 2379 + 2551. of Benlandies collections are The June.

Mr. y. Howheri, "I touter, aerticils of Euro more remote, glumes Entire or Senticulate at the apres." Find thoughte. Oright, hos. 2003, 2004, 2006/2) 1 20015-/1851-52); Bujelon on he Lumpie it at Europ Buche, Tepus!?

And in the original species from summed some of here species and shorter collection, and 293, quoto by Their Marin fram Les, much for summed by the state of auni finds, buttallie, but short, las clusive of auni finds, but affect in the or here, he boner flegationed, supper appearance, such species, she former flegationed, supper affect of pulsar, sums of some of presenting, she supper short of coppeaged, 1-2 flowered, supper affect of securing the pulsar, sums 3-3/2 miches in length,

a. pallens. hut. hu. 1. p. 57. mr of bur. him Bursh (which is a degantha mide.) a. longiseta Stew, Lyn. Hum. 1.p. 420. On the Matte, Fremont, 1842; Funden ho 978. (hen hering (also collected in humajo Expedition of on the Misson's ai hicolets Expedition) They different from the Lowth american a. pullers lew. Which has the love glue 1/3 longer than the flower & range stender auns J- & nichts in lamyth. 'm. E. Fartleri Gulm short. Rougo, That I rest to mostly flowed. a. Fenderium Steer, l.c. p. 420. Den Megies; Cooks Spring, Brien hundres & Coopper himes It Brigelow, Lonora, Thuster In 718. Huden. 173. In some of the specimens from the latter woulder, The apper glime is shorter him the flower. in all Rest sureties the fales is turnible as to Boughnufo, in some species it is glutions except at the aper of in Mus it is strongly & even papillone sculvous in lines for the whole length. The numer purposes is not bulk charen as the glumes are as often green or other as ney purple. aristida Scheideana drin & Rufu. Stip. p. 120. Portoquemum stip vides, Chun & Schlest, in Seinence (non HBK) cooks Spring, her hugier, Bigelow how. 1857; Bright his. 2009 - 2016- 2011 (+ 745 col, 1848)

and market species he old states of which accords wish the description, In the young plant the shouth, sometimes wish a pilore some at the prinction of the lamina, the long trunches of the familie think the again, comprefed with the alges woughed with the apis, comprefed with the alges tought to the finds formy, such, spreading or even refreacted.

Munes, purple in the young blant, gellowish with age 5-6 lines long, southally unequal. Our pointed.

Balen purplish of marked with blackish spots, sultandar by a short cullus beard with beny white hairs send attended by a short culture beard with beny white hairs send attended the above into a long, huisted, in unticulate sculrous stipe 6-7 lines long which hears the sengence awas, the smiddle aum about 5 lines in length slightly dissistante, the lateral only 1/2 a line long with treat, and some specimens the bateral runs, are so seng minute as to be somewhy hereined wishout the aid of a glass.

Caristida

Hills hem the Copper Mines, her Inequies Brigelow. Oct. 23. 1857, Wright, Col 1851-52, hos 2007 - 2008 - 20012, 20013. 20014. (739-742 col. 1849) Fembles Col. 976.

aris Trila

e for delinguence of

Brief Gila, Parry, much 1852. + Solvett 1858, 2018, Colorado derect Do 20 Salutt, - has 2001 (185752) + 71,0 (1849) Parright.

le Free Merchen em o . .



Ones between, Or and one of the and her of the state of the s me to the selection of the second seguine to the second the state of the s somether of mountage prilone estable and the Moronty The a winter the many of the party of the party of the same the same read - branches soletany + 1 from on 2-3 without 2 - 3 plant on Berent on file of towns a Everes my recovered the territor direction the The replace to my the three the tender, 2000, the Minimum with the comment of the state of the state of agreement statement with continue the the police toureles of continues some one building Zurace 3 - 8 Teres as 2 200 are police durinde, o The state of the s to delice and file as the second will be to offer to some of longer ! a padens die a trunger in Manda Agent Lean tope det a Franklinen en Bleen to the

My , can 2, pat us care that we is a foreoften and to get him the access here is no server to be a server in the server of the the serv I made to forge duply love and and Sey tester of ferreer and on and June 1. outer of plane relieve in the year still - leaves often zongl - por en filmen formetimes that I done the wife

Many sear a ball

Alle and bayer delas

by hele ofference.

Turis a culture of

the track of the control

to melow the search of

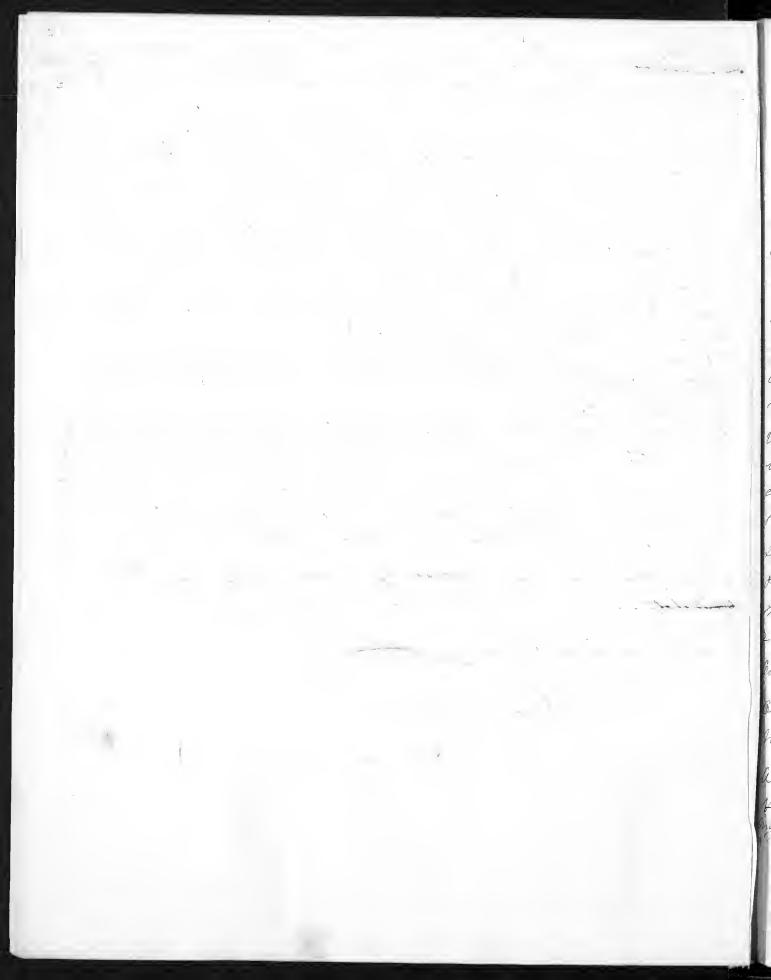
46 hy curry Algeria ag. Its Make al organia

dey curus phle vieles H. B. R. h. Ben. 1. p. 142. +, 45; drin. agrosted. 1.p. 33. Pleopogon setosum, hutt. Al. Sant. p. 159 (compare specin acad) Painted Camp. Tegas, nov. 1800; bopper mines, hew (prepier, oct 1851. Brighton. Might no 750/ext. 1879) & 2030 /1852) Collected also of Lagrana Orlorn by In Abagilow in Whifeple's Furrey. The letae of the flumes of pulear very suri-able temph. I in the same specime. (78 hum, Bright) alopecurus aristulatus Micho. H. 1. p. 43; they brok. H. Bon. - Am. 2, p. 233; Brug, Mun. & 2. p. 541. River Minibre Ken Mexico, Norgelow, Aleun fratimo dera Ollfo trichologies For in Mupple Preport. p. Diles near the Copper Univer, her Rupies, Och. Bryllow! The 1967 bright; Collected also by In Brighow in Whippiers O. R. Survey on Sundia Into, or by De howshown in Sityreaus' Effection at San True eiser Int.

(79 Whip - 80 Colle hunre) Velfu stiles, borr, in billiamsons dep. p. hem the head of the houses t at Predra Brita Top. Dr. Bryilow. Chear Varras, Mexico, Grege in the Calif. veria by he Bluke, (& Brige hedra Pinto)

For fuller oreseriptions, see superful.

on fuck suddles, hence the name given it by It. Threy, Vintilis mi? peut much stouter, punièle less essents, glumes 2/3 he length of pulear & acute, power pulear very ciente. Coping of leaves munifestly cilcult hispiria, Gooks Spring, hen hepics, Dr Bigelow, ho 1983 Wright. + 746 (col 1849) also 20 958 Trendlers hen mysican collection. (82 murve Cooks Spring Big) (Jee A. Torreys Refe. Where he has some Talk along mis - a different species?) Mifu rumulow H.B.R., nor. Sen. 1. p. 137. t. 6821; France. agrosted, 1. p. 83, Spordolus Banuloses Renth. Dum. 1. p. 215 & Suppl. p. 72. Cyrostis muntipina. Stend, hyn. R. Shun. 1. p. 17. mule forcing, Bryilow & Coopper Perios, Thursday, no 1069 - Omright 1982 (& 788 & 789 col. of 1895)
And 986. Flenten new Musican Collection, ramile in the days of hairing of the Horhelds - glunes + puleur Photolis (compute with figure in \$1812) Whee undetermed no 1973 wright. (84 minure gents) ciifa-



The following species was omitted in the Enumeration of the Grupes in Mapples Export. Alfa fre Confedence from a strong creeping perenne Trotation, 6-10" he at, wing, deniely leafing to trunching below. smooth, The lover shouths That I crowded, the upper shorter them the anterndes. ligule 1/2". laccato, Leures 6-18" long sactucions convolute, rigid secured, muoromelute at aprep. Runiele long exterted (2" from Expendently 1/2" long, Lienda, transles Erect, the lone in Jewis 1-2 flower, Spikelets strawerlor about 2" long. homes delicate, a cute strongly I never gladrons 1/3 shorter home finlene. Loven pulea 3 neved - pilon for hulf its length & termining in a summer out point, the upher nearly cyrulling the lone, my a out, strongly 2 new. Jackne on the bush. Cump 49 - Aluga denge Lept 21. 1853. Bryelow. Onlines brunching & very leafy 1-2 miles from the Juse. simple alove with 1-2 destant leave. a puzzling form & printer almost as orlan Metonas muhlenleyin as siffer - The lipper polen meronde as in M. cuspidata. (83 humre)



Celle Stout 2-4 feet high, smooth-Thenthe smooth, otherager Than The internotes Leighte beg minte, citiete, long 2-3 his denses flat or minte 6"-1 fort long 2-3 his broud at have attended at the Spip. Featrons on the mangins, pièvre with a few long huis on the upper surface men the lune, Paniele 8"- 1 food long , trungs soliting or several originally winted 2"-2" long threading 1/4 haled, or florificours to the lave, gentrous throughout, fedrais thate hum the spikelet. Spihelet 1./4" long brownish, smooth, Lover glune about i/n the length, the upper 1/3 to 1/4 Shorter or nearly Equally the pulene, I mend Loner pulen aente, strongly, neved, he effer usually somewhat longer, hearingtely & rened - often splitting, Seed brown, the conting my delicate + not new no 1979 + 1976 Wrighti Cooks Spring, Bryelow, ("Presidio del horte"; Parry; "Rio Bruss del horte" Lehott L'Orienega Brunde" bregg are probably state your states of The hour.) To be compand with le solvedeune Frie

This whomps to Sp. . . compressions, raiselation - people 52.



Quelum & hiches to a foot in height. (perennine?) brundhing for its while lugth, glubrouse except a minto pulercence at the ande, Thenthe love, smooth, mostly thater Then the internods bigule meinte la cerate. Deus, he old ones about 2 inches long, time ende scalrous on the Upper surface + manging, comments. Varniele slende 1-11/2 mides long, agis & pedrells sculver, brunding below, branche Each, The love 5-6. flower. The spinede, The puriete, when 1-2 flowers. The upper leaf ofter Equality the puriete. Spikelets 1/2 lives long, sluves I him tong- some what curin the, sough on the suidness microunter. Defletion pulse 1/4 lives long, 3 herred. Everyth on ne patte t at the aper, Superior pulser some what shorter 2. new I & sculsons on the buck, Grin Congression -Gooks Spring, Brigelow - Bright ho 746 (1849) + 1983 (1857-52) Fenden hen huge is, hu 958.

Busefulles bomewhat I lether, but much Houten.

Item branching from the apile of the hunstent leaves

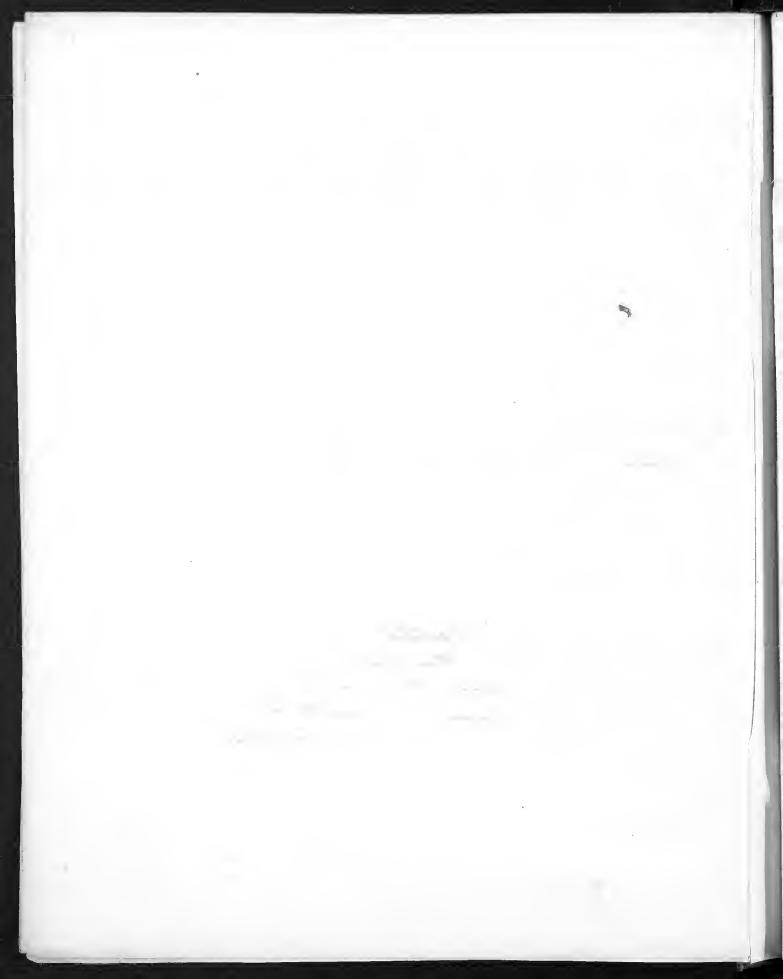
of the previous year, distingued by its left excelled

punisher, hougher leaves to acente to bounghed fulue

the glowers are also shorter in hupontion to the

pulme,

This long to him the server - just 13.



· Sooro io hui criffstantus Ruy. Mun. Et. 2. p. 542; Forr in Mileiansons Rep. p. Agrostis empetundra Frin agrorled. 1. p. 49; For. H. 1. 1. 19. 1. 140 V. Frinain Stend Syn. Shen. 1. p. 156 (?) Tepus Might. nor. 1997 & hor 357 d941 undistributed cell the specimes of this plant that I have seen collection have De apils of the punille flatrons. Sporobolus cryptundrus A flagioners paricle slongates
Alegnose. plepuose - Tuys thort, sprendig, fen flower -Ohi Trande Valley, hor. 5 Beyelow; no 1978 Wright o no 725 cal 18219 -The Stenda paniste about 1 foot long, runs disturt, spreading or repurants, pedries clongald, therings & florens, as in the type, Sporobolus airoides Forr. in Duncy's Rep. p. 300. Agrostis arroades Forr. in Cenn, Lege . Mut. Hist. 1. p. 151. Nio Grunde Valley Nov. 5, 5%. Begilow: Wright has 1975 + 1977 -Q (Sporololus criptandrus,) See July 6 10. In Elution, 2"H" Snorth, leaves flot or involute /r'-1' long. 2-3 lives brond at here alternate of the soften, Parisle 8'-1' long depper glum mostly shorter The An puller former the upper is usually something the longer, litriale very delicate of sur Bending seform flowing separating from the browning Towns spring Bigilow, Am 1979 & 1976 Mryht-Possity a distinct species. Sprenn in a newy young state of what inform to be the this Auma now collected on the Riv Grande by Parry & School. Sporobolus runulosses PM. Enem. 1. p. 215 & Lipte. p. 1/2 Vilfa Rumelosa. HBR. 1. p. 137. t. 684; Frin Agrostio. 1. p. 83, ayenstis suintifaire, Stew. Re. Blum. 1. p. 171. Ande Spring hen Pregies Brighton; Coppe Nines h.h.
Thurles (ho 1069) Bright no 1982 (+ 1973?) also
One 788 + 789 and of 1849. Fender's hen Mexican collection hu 986,

Some of our spefigure above gente Do you know this? I have so simple or cel es not horted which it - have no the possibly belong to a specimen of her our 20 Herl. For, 2081. 206 I thick Ap tremely I from the seed, Allono 10 lus ram alos us. 14 pidrois

· S'oro to les criffs tankers kruy, Mun. Ed. 2.p. 542; For in Mileinson Rep. p. Agrostis eryptunka Frin agrorti. 1. p. 49; Tor. H. N. 4. 2.p. 140 Vi Frinain Stend Syn. Shim. 1. p. 156 (?) Tepus Might. nor. 1997 & hor 3 57 d941 under tritules cell the specimes of this plant that I have seen copyed the original one of or pune's collection have the apile of the punished gladrous. Sporotolus crystandrus puniculmenteta "te son in tohip dije Aporotolus crystandrus pen flegermons panicle slonge to flipuose - Eugs Short, sprendig, fen flower -Viv Grande Valley, hor. 5 Begilow; no 1978 Wright + no 725 cal 1849 -The Hende panishe about 1 fort long, runs disturt, spreading or refundo, hedries clonged, thereby themps, as in the type, Sporotolus airvides Forr. in Muncy's Refs. p. 300. Agrosti's arrowle's Forr. in aun, Lege. Mut. Hist. 4. p. 151. Nio Grunde Valley Nov. 5, 51. Byilow: Wright has 1975 + 1977 -Q (Sporololus cryptandrus,) 5 20 /10 /2 20. In Elution. 2"4" showsh, leaves flot or involute /r'-1' long. 2-3 lines broad at Inne - attende of the soften, Paincle 8"1 1' long dipper glame mostly shorter the the pulled fishien the upper is usually somether the longest, litriale very delicate or sure Bendily seform flowly separating from the troumin Cowho Spring Biglow, Am 1979 & 1976 Mryht-Sprenn in a Possibly a distinct species. very young state of what appear to be the Auna now collected on the Riv Grande by Parry & Schot. Sportolus rumalosses Ph. Enem. 1. p. 215 + Lepte. p. 172 Vilfa Rumelosa. HBR. 1. p. 137. t. 684; Frin agrostio. 1. p. 83, ayenstis suintifaire, Stew. Re. Blum, 1.p. 171. Ande Spring new Mexico Brigelow; Coppe nines him Thurle (ho 1069) Bright no 1982 (+ 1973?) also Our 788 +789 and of 1849. Fenden's Oven Mexica Some of our specimens quite agree with the figure above gusted & varies with The glumes smith or cel valuente or truncite - Smoth or conspiendly cilitie - mights 1973 many possilly whomy to a different feets. I thick By tremely delicate & slowly sopouthe from the seed,

Sporotolus

85- 1976 Mright plued

86. Vanulosus Phulen

87 de Cooks Spring Bigel Shed

88 11 Mper Bepublion Bigel

89 Commutates - Daigel plued

90 " Th
91 1980 Mright plued

T

يرجح

Sporololus commutatus Dh. Enum. 1. p. 214. Vilfa Commetata Frin. Se. +. 10. + Agrostió 1. p. 58. Vilfa Proplurghii Rees. Sonow, Thurles In 1045"; Anifelt 1972? Plains Jetuen The Burs Mits, Bryilow; Wright 1972? Our specimens signe perfectly with More of Vilfu Boy horghis hees, of thights' East Indian collection as note as with the sungatisfactory frame of Trin. It has not been hertofore noticed as belonging to the American Contact larrowth In 1972 is habiter an undended that (wrights an 1992, is probably an endendy that of the fame) Sporohelm 18/1. undetermind) 1968 wright Rio Erunde, Porizelov; 19742-1980 hryth -Cowbs offring Bigelow; 1979 & 1976 wright, Dury Lehrt Bregg



agrostis bestraillate Atthe Vill; Frin. Le. Gran 1,36. L'agrostis. 2. p. 112. a. dulois hilli; Bersh R. Husting p. 25 Common Marrylout Tepas & hithere - Musics Brier Fronteres, Towore, Thurser. ho 358; new Jucson I in the valley of the Fila, telesto, hus 1984 1985 Mught; Sun Juan de la Paqueria, State of bouhuila, Gregg- also collected by It decidher's Ayroatis aparutu, Frin, Brum, hinj & lesquip. 1. p. 207; Le. Frum. t. 27 & ayrostidene 2, p. 87; Horde, H. Bor, -lum. 2. b. 239. At the Copper mines & on the River minters, Then Musico, Brijelow; Mos 1969 & 1970 Uright; no 962 Fandlers hen Inepican Col. The specimes very in the relative length of glunes & pulene, the size of the upper files & in the willed to leaves. Those collected with a leaves, the collected by Dr. Brylow at the copper hime have leaves 3-4 lines broad, & in Min respect agree with the original plant from hualuscha, comments to V Hert. Form. by Kinnins. Others have hurrow leures & nearly obsolete upper pulea and is the state article by Norther he as tan. B. hone of our specimens have awas. 93 murve Cevtre | Brigel

a 16 A long iftern Michael.

A. long iftern Richael.

A. Mochampin Frein,

at the copper Mines, Bryelow; ho 1971. Maryll;

El Podrero July 1855 / Mere?) Schott; also hos. 33305,
1603 Berlandres Collection.

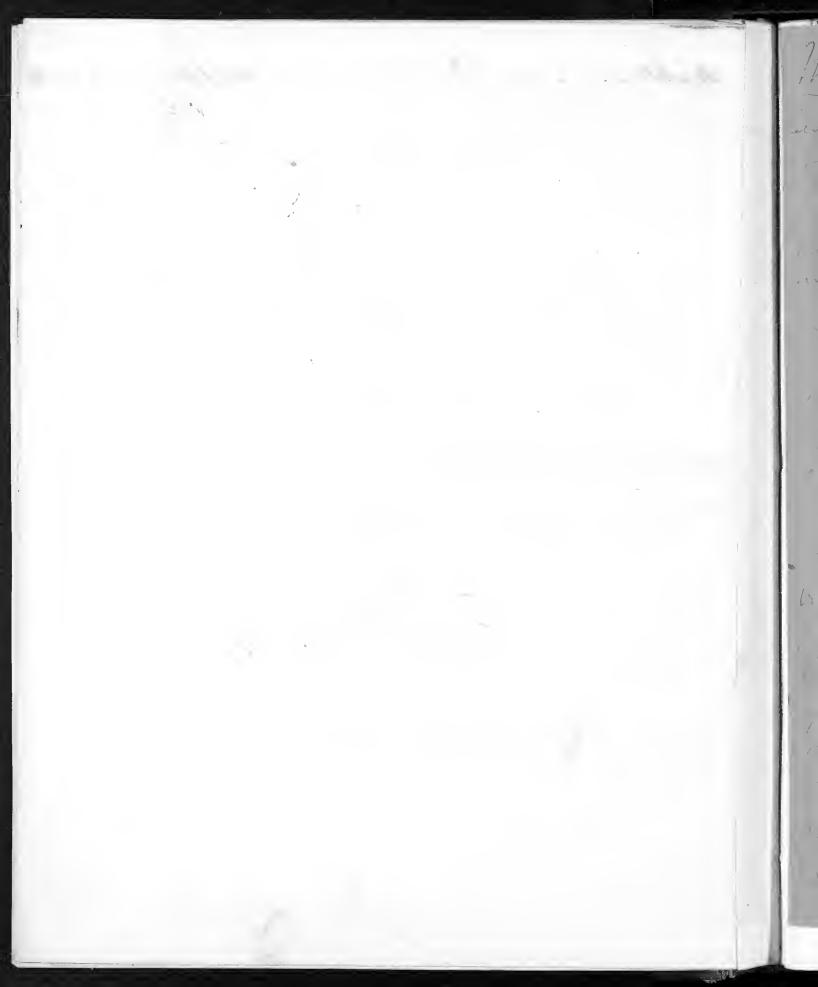
- , , 1 d 1 or on The State of the S

56 Muklenbergin glomeratio, Frin. Brum. unif. & Lesquif. p. 191; Gruy, man. Ed. 2. p. 545. Dinn Rucemusa Mh. Enn. 1.p. 20%. Piner minletær, hen Anepier, Bejelow; no 1988. Might. Egent that the puriete is somewhat more stender the splaciness do not differ from those of the Eastern States. (95 minore) kuhlenlergin viescens. Irin. agrost. 2. p. 57? Mountains new the Copper mines hen Mexico, Bryelow. On plant agrees with the character speeps Mosts. The lower glame is nearly as long as the 3 hered upper one. [96 hourself Muhlenlergin Berlan Rieri Frin, ayrost. 2. p. 53. Mied Rose Pap & new the San Gedro. Fagas Brigelow { Hus Brung } Berlis Spice?} Mright no 1992. Sheashs & leures nearly slutrous.

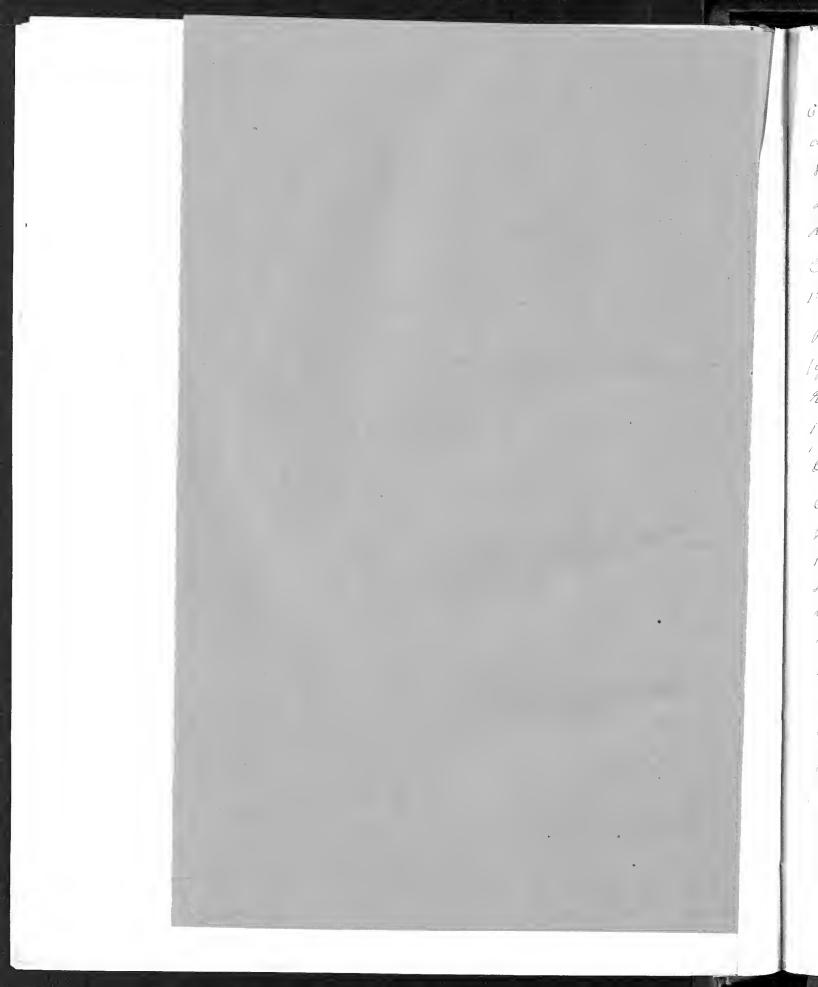
95 heashs & leures nearly slutrous.
95 heash & Bright Muhlenlergia debilis Frin. Agrost. 2. p. 49. Podosammen delile #BR. + 681. Mr. purpuren hut. U. Guml. p. 186.] Dry Julls, Lan Dreys, California, Thurber (548); Valley of The Isla, Oct 1855, Schott. (Gronsult acad Hert.) (99 Th)

Me . Culumyros holen 101 - 1985 minjoh & hollermilleum Pary 103 Mugico Parkers In Tagan Hendof Sun Redo Bing 104 Alons hem Conche 11 734 nrages 1829 Ris E. new Husburken " - Me gruenden The 108 Mip-Buyle

Muhlenbergin grucilis Frim. Pram. Unif. & Lesgrif. p. 1938, agrost. 2. p. 36. Podosuemum gracile & quadridentatum HBR. Fab. 682 d 683. [Galy codon montanna, mitt. R. Sant. p. 186.] No 1991 Might. Collected also by Lityreans aspedition in the Luni region of in the Lundin Into. hy De Bryclow on Capt. Whipples burney. Spikelets mortly blackish, De upper glume surrously one to 3 touther. Ebound Herb? Ethic acad. Bouchlestergin Longischen Benth. Al. Hurtiney. Annhem legin culam agrostiden PM. Emm. 1. p. 199? Mr. longiseta Benth. Pl. Harting, p. 28 (fide humro M. Harting. Tright no 1989 H31987 - What we probably forms of this species mere collected at Mut. Currel Cention by In Parry & in For as to, new mapies by Ir. Bydow book at the no. I have it. (1985) Muhlenbergin Tegamo, Sp. nov.

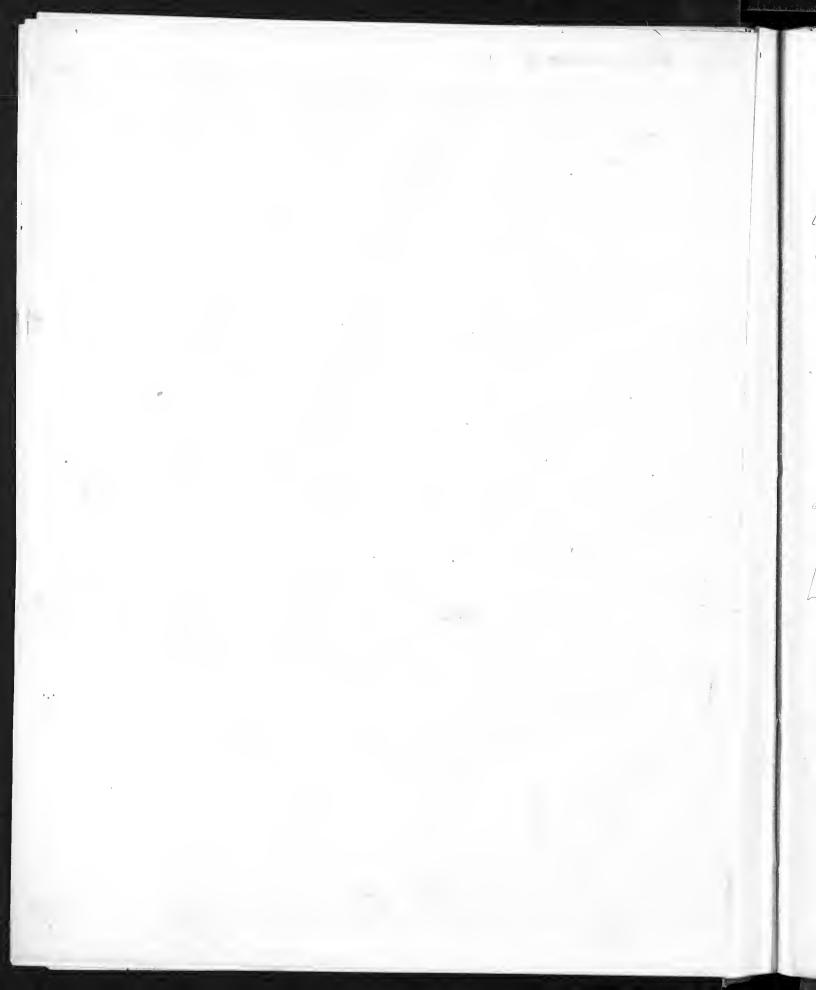


december & dense plans in the second of t fort long. 3" long. underted. b. deads or Equality 2 strong to or jert. 1 the afox the lover, Kory, Then dis dec



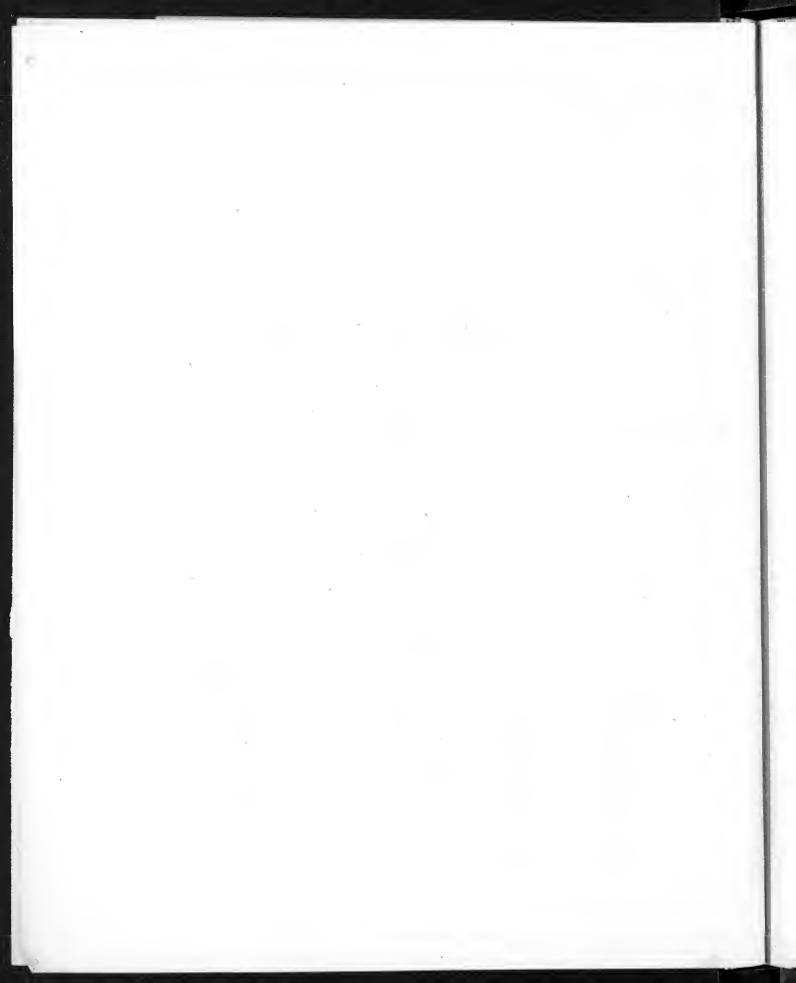
Mr. Hyana) Oulms genieclate, Alender, handhing alove. Decembert at luce of or for the whole lengths, about I fort long, glubrous on sleightly longhered, notes smooth, shouths love, and they shorter how internate, in they morth. lique about i'z" long accounts, decented. Leures plane, 1" brond at have so triceonly nouse 1"-1/2" long. sculron referrilly alove. Paniele overt, nicht at here dont 3" long. Ignen or duk sed) zags in par t-2" broad - open. Rup /1/2") in pairs or solitary, irregularly wrented. 1/3-12 nuhet below. brunchen 1-3 florend- pediciels Egunling or truce as long as spechelets. Spikelets 1./2" glumes 1/3-1/2 shorter Mon or Equality
the pulline. narrowly lancevelete - carringtely shorter

1 0.1.0 1 to 1. 1 neved, Letuces-nu serounte, apper slightly longert. donne followe Fraing. The lower southing at the aprex + trimmuling in a detter about 4" f The upper 2 neved Equally or mostly exceeding the love, my acute. cullin conspranous, gladron, Riv Grandent Phio Coareles Brillow. Grandis del norte Oury, 199 v hright & 20734 /1849/

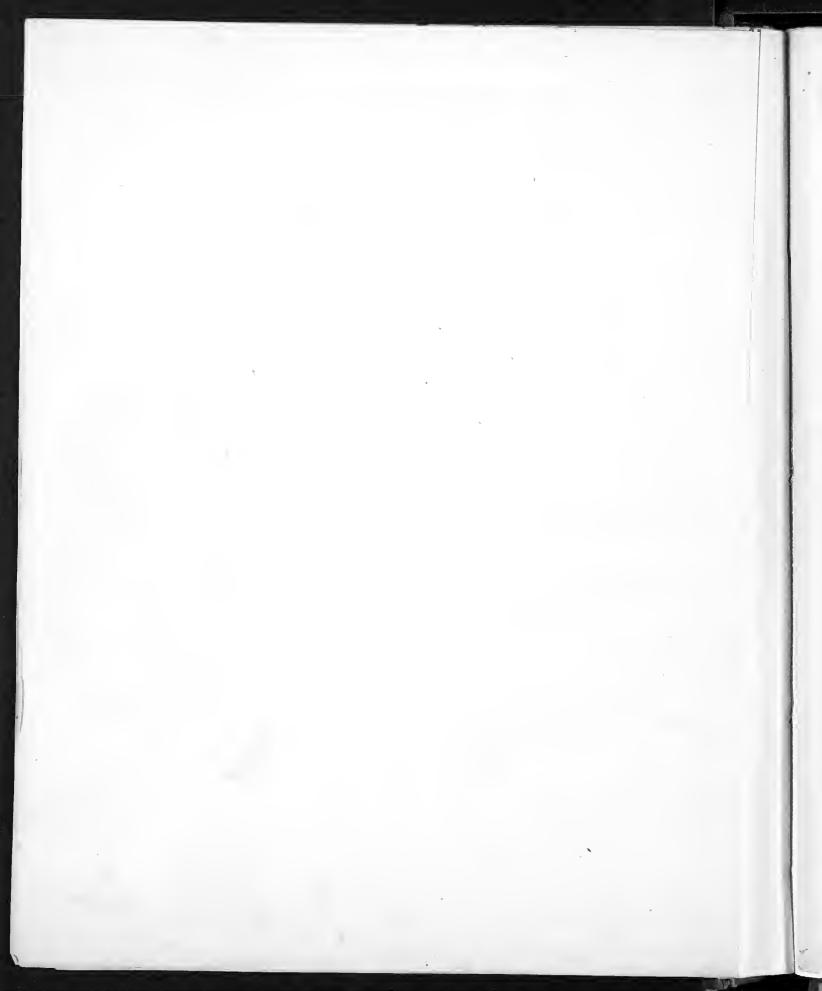


Muhlenlergin distrolophylla Mh. Enum. 1. p. 2026? Frin. agrostil. 2. jo. 42. Copper nines hen mepico. Brigalow, Wright 1990, 1994 Ce Evhist species with human kally curenite sheats, (2 730-1849) 2 Bigelous specimens the puleae and mostly annles while a few in the same spike bear long and. (109 humen = 1990 hr.) Epicanper graciles Best. Bel Huenke.? Levier Leon Topas. Pryclos, Frederickshirsh Teges

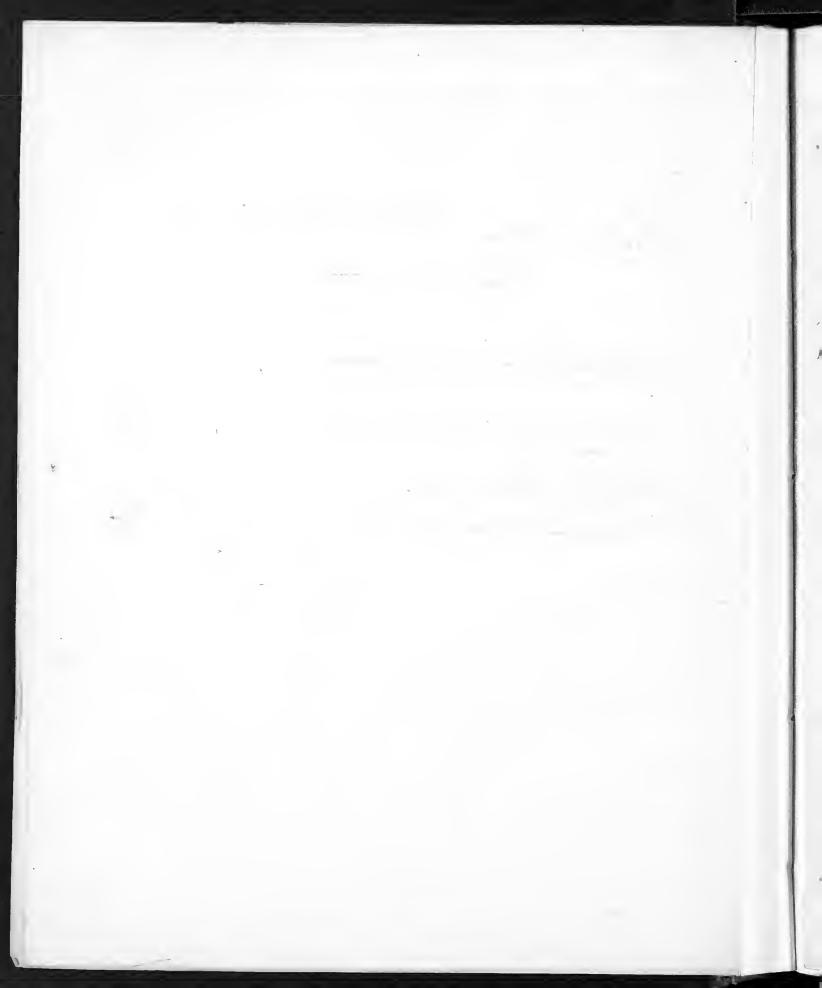
Murle no 58 -That the about the genus. company drinks juj to conset Eray] muhl, undetermin Colre och 21 Runter Cenes 113 Colre och 23/57 Reinto Comp Her Jon. 114 1/115 116 1656 boulter agrostis? 117



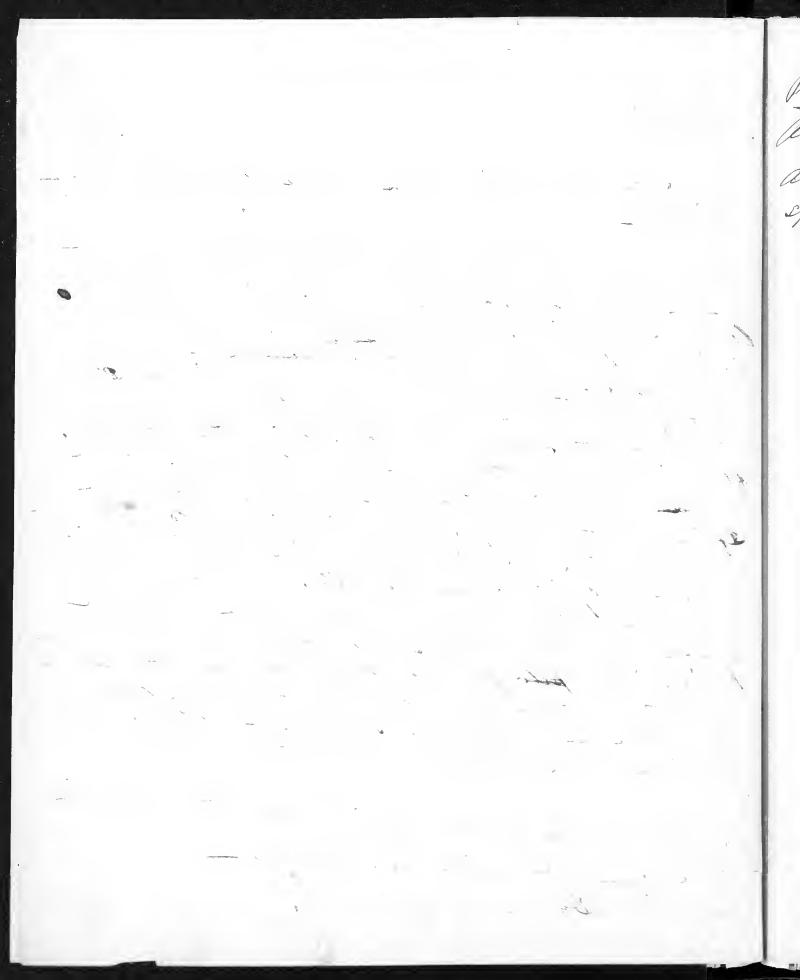




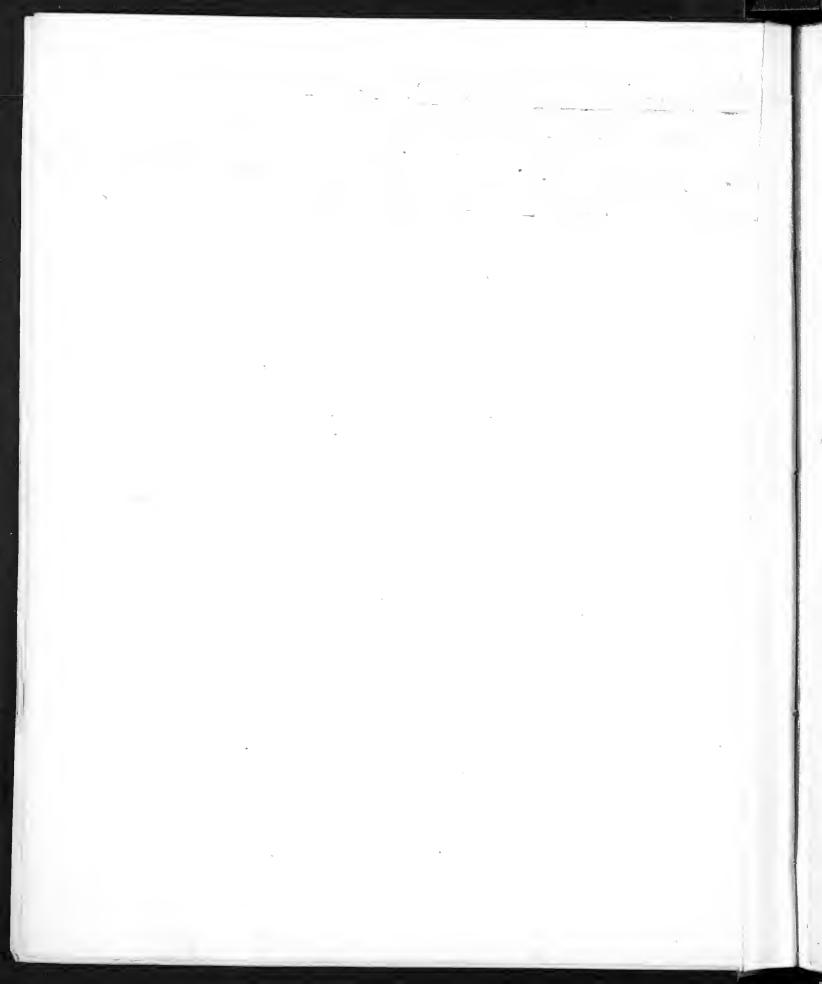
Mexican Boundary Arundin accuse Puffohhoren Chloridene. Sylverson Property of the second hipmer on Programa . mas Common total Cyminis Benklens



(118 murse) arundo Bunket of Escondido hum Earle Pup. Apr 24/02 Brylow-Appe- leves 1' long 1/4" mide at lave, smooth han a limit long calcula, punicle vorgula - 20 formy 3-4" mide, bruncher sino crech. sentrous, Sprendue 6" pale I true color . smooth of the about to flower of the sens nearly Equal, I have survey to be supply to accurate a survey to the supple source has longest to accurate a cute A. The upper source has longest to accurate. unte pointer & about Equally the florets. flowers, seeft the upperment perfect. lower pulcan hypline strongly 3 hand, attender Ifind at the aper, he mid sit prolonged into he short detwo, clothed below with copins white heirs nearly its own bength, enoughed at the have & partially inclosing the affer puleur which is about half as long as the love, hearmite, poto pulerent ciliate on the muss truccute at the offy of somewhat dentication of further Symmetre 2/3) fleshy, styles 2 - Strying puffe plumore with sumple denticulate hairs, no note is mide of he hangth of the plants - It he compand with he Some Any like Donny Confensio here.



Phraguitis commin Fri Armor Phragmites Lie, et and. Along buter courses throughout the country



Pappophonen boreale Ledel: Stend Lyn Gram broo Frim in Mije Ref. p. 155. P. phleoides Furez. Between the Sun Redu & Hours Many Legar.
Beginne Puris Spring Carrow Char.
Bryiton, - Put. Carrow Carrow Carrow. Grande Soliste - No 2029 Might - (Lhi 751 est of 1849) Chilumhum Mugicis (Thusler 20 825, - Collecto also on the Slaw Estatus by & Biglor in Whipple AS. Surrey, 15 mides Our feering many from 3 into to forth in hight, culture in the lange theceings transcrip - Spike lead color - (119 hourse) Pappophorum mucromalatur heer in Flor Brusil p412; Rem the mouth of the Bein Recor. In Byclow; Prinjet no. 803 cof of 1849, Collector also by de ne are doutfile if our in the plant der-cribed by new but in the about of in it Centrell en Mester Roan, fusion which excits in his gens he refer it Mous provisionally rather than to multiply has runes - tiffer from her lescentilie in they a simple culu- 1/2'-3' hujh. spike alod 6-8" long - glimes I new I shorter the Horets & mortly numberly life & microunlate

fe of 7 pm lo his 87 3 2 the for an an

florets 4- the 1 or 2 lowert Juful Hill others totascent, Some pulea corincers with 7 detue + belucinear which are longer thethe pulcu : news 7 continuous with the setue. Polions on the back of munjing below with White hours, appen pulen longer han the lover strongly brearing attende + sometimes White at the april the hairs, Spikes purplish (120 murol) Gotten puppophoroides RM. Her Gram. 1. tal. 52. Enum. 1. p 256 & Suppl. p 200. Ojo soliente letuen Elpano & Chilanahum This remarkable grap Ives not seem to have Thurlen; he 2007 Way it. heen before noticed as a notice of horse america - The original specimens new from Resu. The stems me about 2 feet high leaving a lux puniele & the plant at first his much, The glunes are many never the flowers.

The glunes are many series with 9-11 aristaes

The lower paters about 5 fire with 9-11 aristaes

the lower paters are lower than the order. there of which are longer than the others, to palen + ans mostly Juple, Leed freez in the perical. The excellent description to the details of the figure above quoted leaves anothing to be desired. anothing to be desired. on specimes diesproly agree with them -[121 munrol)

Jall of Contraction

deflourcement panieled, paniele ovoir denne proule 4 flowered the 2 love muter. The 3rd perfect appende Endmentary long hedricelle, glumes Tymline menteun accours, obute. 4 never. Learly rypulling The florets. Thesewe of lover florets conviccions below Tifid. 3 rends the central never perlonged into a Humore feto as long as the business. The Mas muzind, & asterding with a honor, The torm hof on the lack of the Whole manying perices pilose, proper Julea delicato, Cloryato, lific, Febrite florer mindely hedricated, ovoid compress smooth & Shing on the buck, ciliate on the maying 3 nevers. + Bernite in 3 densely plumore spreading bacuine as long as the Julea - lipper pulea trearinte Tonger home the love, attenuate & life at the aper, surth except on he heres, in whing the dutipopsis which is four. attenute ut the lase shiply hintfled with a sculetten half its buight, squeen When? - Sturens -? Styles 2, Elonguto - Endwich Whom a pericel as long as the futile halen consisting of 3 plumme housine. a perennie profe 4-8' with industed fuscionfully runding stems leaves crouded below . The transhes being 2 or 3 involueral leaves with lover shouldo hem the sunt comblete subulates, Eight. mostly record, terminal by a consprenous micro

Culm of leures pale cinerous green pullerwhent - when thenthe loose structe purplish ligite smite, pilore sprihes Shring white, glaves Sometimes tinged with purplish Fronten Legur. Brydon Mussy. (122 minroe) Pilo, colum -



Chloris C. alla Mips Big 125 6. verticilenta manay
126 " B. aristatula Th. 124 Byilon Commende Spring 128 6. (Tuplopogon) Reggii Cilolo of Rio S. Bry m. lubsolin 2025 May 12 West for ac res de l'in in The

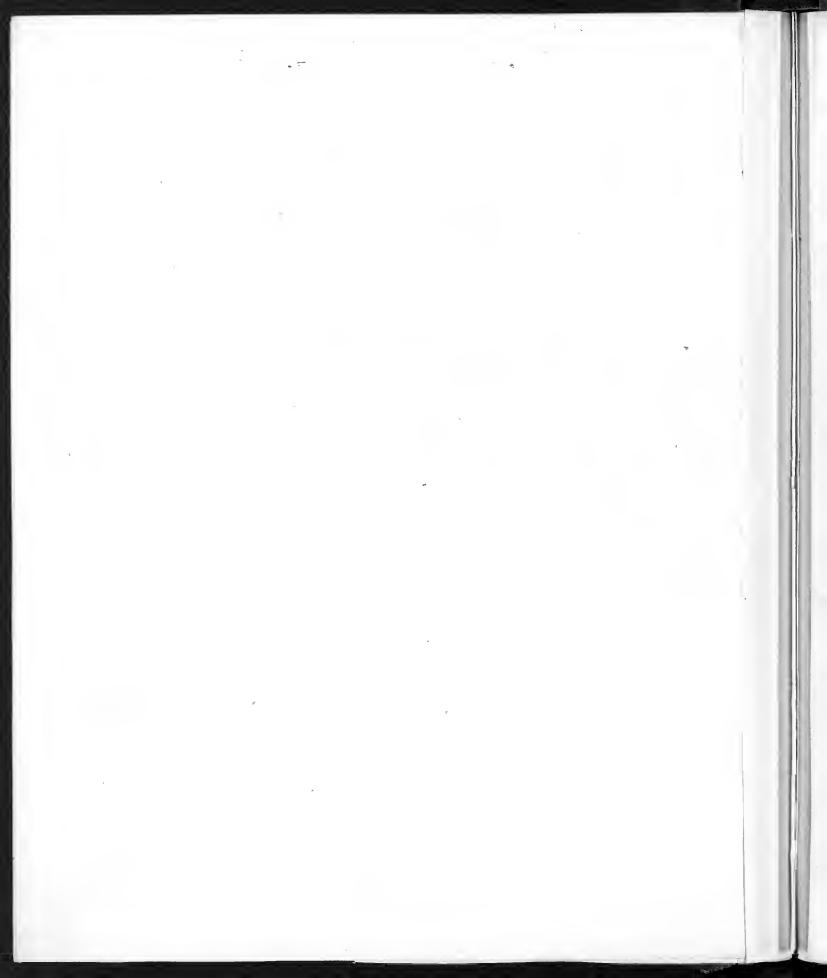
2 Hos Meeun prostrution Prest Red. Hacute 1. p. 295, tob. 427. Maydalena Souvra Thank Oct 34 - Presidio del norte, Bydon Hally 1852 although our flust differe in some respects from that discribed & Jugues by But me refer it Mes without much doubt a delicate consprine grup the election colors of which are often prostrate & sorting. at the rades Morning up a furanches of lement Stems - The upper stemshis produce 1-3 tauches which and lave are clothed with a hyuline buyin Spikes 4-6 on Enon Sushin, northy second - up. a sen short pilone pedicel - Spikelets 3 - 2 latente Subsepile - apper pedicled - Lateral spikelets 2 fl lower glune reduced to criegularly truncate sens delicate 1/4 the length of the upper- throughour to the lateral ones - 3-4 florend - the lover two hermapprovite fale feetite" that I apper reduced & abortine love palene of 4 lacinine & 3 anns, - and plumere blow -1/2 longer how luciaire ! about times us longs in Pheses figure) Seed toping at here -Rrest planes is in abbordence but Runth afterds it to Papfaflinae Wench are Mich its purher flace-The spiles are alternately insented the come secure by The trusting of the pedicils -(123 munione)

R Po m a 6 0 Soul Since

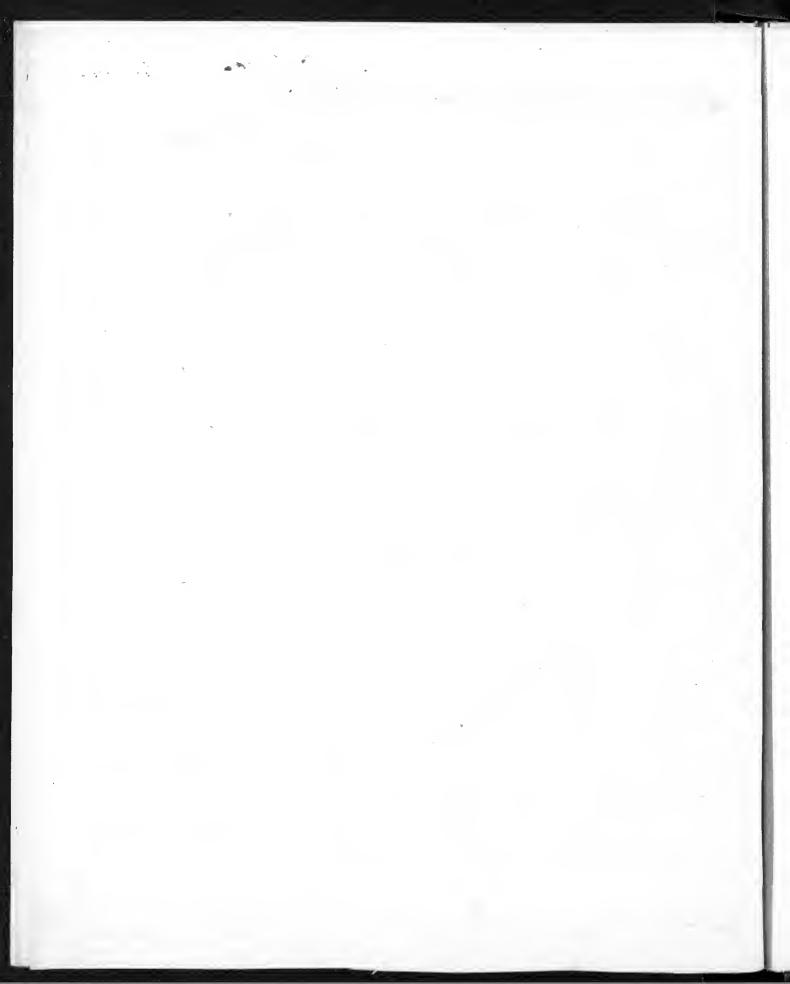
ich p. 2 T cor as çr R Or to gr Then he somewhat carnetely compressed.

leaves 6" to I fort long "3" wide or have idiatedly accounted to offer simultions conspicuously accounted of the land of the minder of the private of the or have private of the or have private of the allies to be with the following species occur to be allied to be or into day, as foom the Philippin seems - as for crimital day, as foom the Philippin seems of the semistime as any be probled from the semistime of the semistime of the semistant of the semista

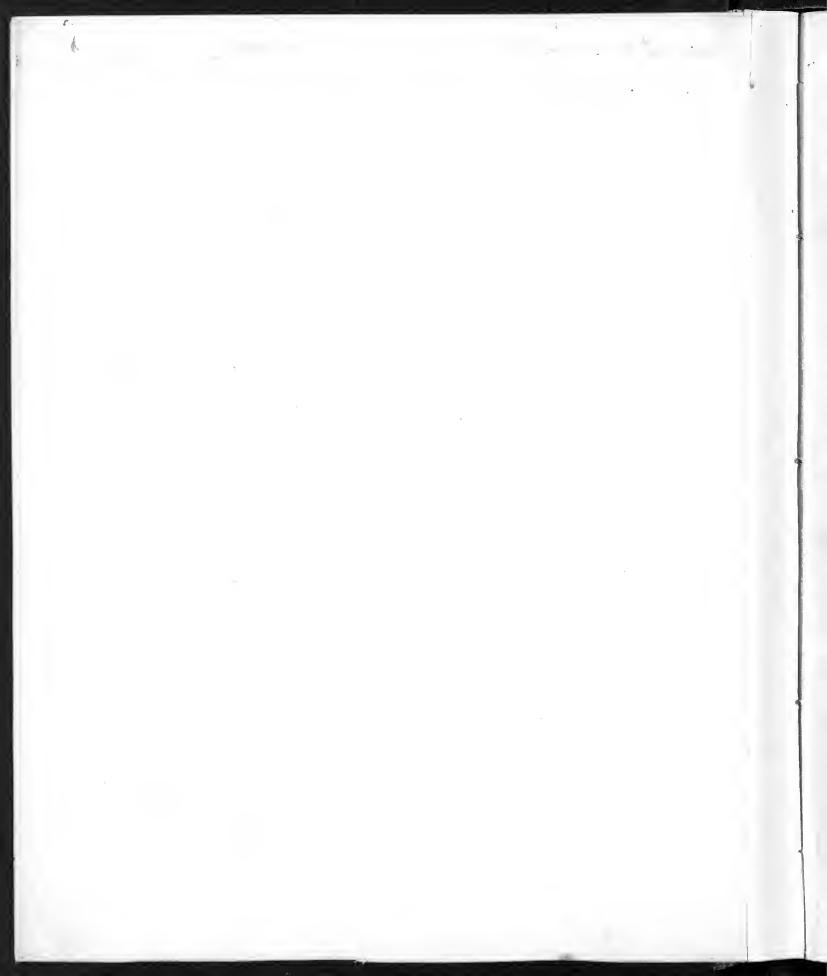
as can a which is excluded from Jone pulear - which is excluded from Jone pulear - which of chloris our of the said of chloris our of the said pulear ver to mothishating the 3 and pulear ver frefer to appear to it is to multipling



Chloris (Keplopogon) littifolie Oulms Erech Pringle, generaliste gat lawer - 19-4 get high smooth-Lover shooths of curry, The upper thorter how the internales gladerous cocips a sparing pilose lift at the Phront - love - Dayle a cilente zone red Leures 8-10 anches long - 1/2" wish it a lare to Whening to a set -Justing to a setucion point, flame, d'exirone on Who sufuces & many is, slightly beloveded hing Spikes numerous (10-20) agregated near the function of the Cone Me culm - sub certicillate - fastigiate. The Cone 6" long - indicately many flowers russias curror ar lure -Spikelets distrohous, sessile 4 fl - /3 herrich. I newter) When tutereet, Glumes shoutaces mentranaceous - wenter, I rend Setizeron the upper of outer 1/3-1/2 longer then the Some - more accord - dorsally scallons, conally the love flower and for the forestand - of the forestand - y Some paice chartness - ollongluncolate 3 herred - buttered herred marginal - all becurrent into setue. The lateral 1/2 - 2/3 as long. as pulen the central 2-3 times its tempth of manying ciliate - 3" long - centine leta 4"6" Upher pulen Eyendling the love - Entire as the Muy sculvour on the sens, hentent floret of a single and pulen Heady otlong muster wish a love pencing lester of delicated - styles 2 district at lase - stagming public



no 2025 - aregist _ + 763 Col of 1849, also 170 + 1430 But The infloresser Men of Chlorida



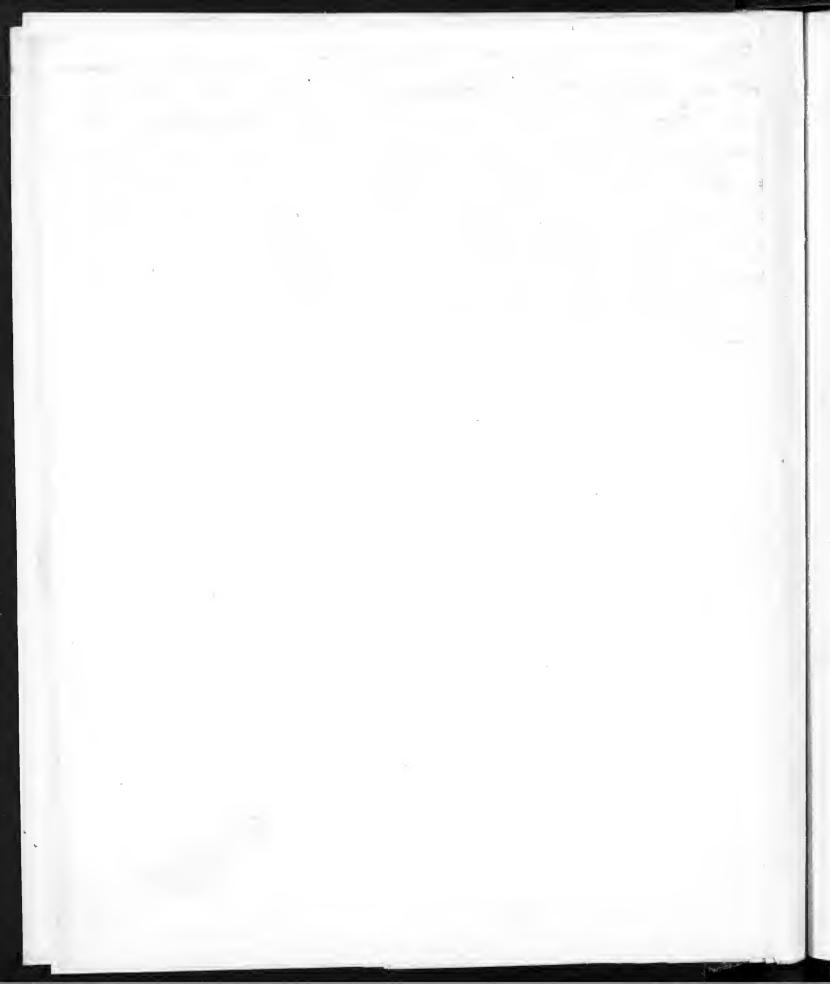
Cynodon Ductylon Ous; Pt. In., 1, p, 209 + duppe, 203; Buy, nu. Ed 2. b. 532. Chrestate arun: Frym. Thurter -

(2 ; 6)4;4

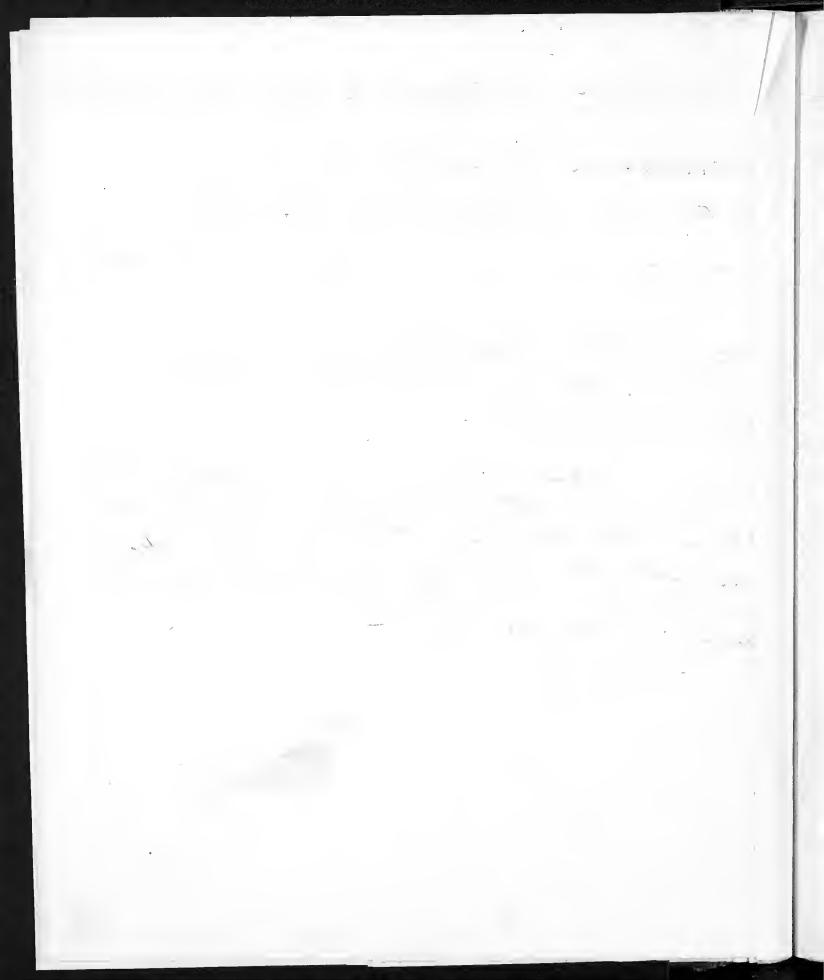
Boulelone,



From the energy dicriptions of Lag us can 78
It is difficult to theferming what his theories are. Further puts B. principalin secularly the southful offices of Entermine as E. Los agained to the gamine mane of longues - to the thore, which have been befored and ander Companying which can only a confusion of typoongry which can only be cleared in a through Eliciscon of the



Boutetoun artifoenhela May Man. & 20 p. 553, B. Incomosa Lacy. Chiltharithayon apendornes Mull. Ruthium Custipende Fri, KM. Them dan Antonio Degas, Warry, on the Lecufin Bylow, Du Ariston Bruy l.e. Entruir officis Detarker ! fide Gray) Dompin, Bryilow. ie form inst to Spikes of 1 spikelet Even - pulene Entire at open - monit a toleting am has collected at head of Rio Pan Adron by I Digilow, but the species are too young to decide leftor -



Bontelma hirsuta deny; Gray, man. 20.2.p.553 atheropogon profillosum Engelm. in Lee Jour deurs in all the collections of Leens to Le generally distributed in Teger of her mexico. (when?) no 1625 boulter -323 Jums 2° Col. Boutelow digostachya For. in Mappen Repe D. . When find: Chondrosiin oligistuohyu Forr. in Murays Report. fo Whenpoyon olyistuohyen mits. Ben. 1. p. 78. Copper Minis, De Bryclow; ho 2023 hrught; also by De Greys in Bregies. Bontelona Proposa For in Muffles Bup. p. 155. Thousrosin 29 whoden For, in Emory Ref. 1. 1524 hum the Brien Minibes and as Presido del - Proste, Brylow, An 799 Might held Col)

The Colons of this well makes species are

Aten december & rooting at the rodes. 130 hume - Mils Bryll 131 ... Residie Bryll 744 Maryth is Heat Engeles g 50 Huth.

Mrights

749 33 film

75-2
75-4
(also 2021)

2022 have such

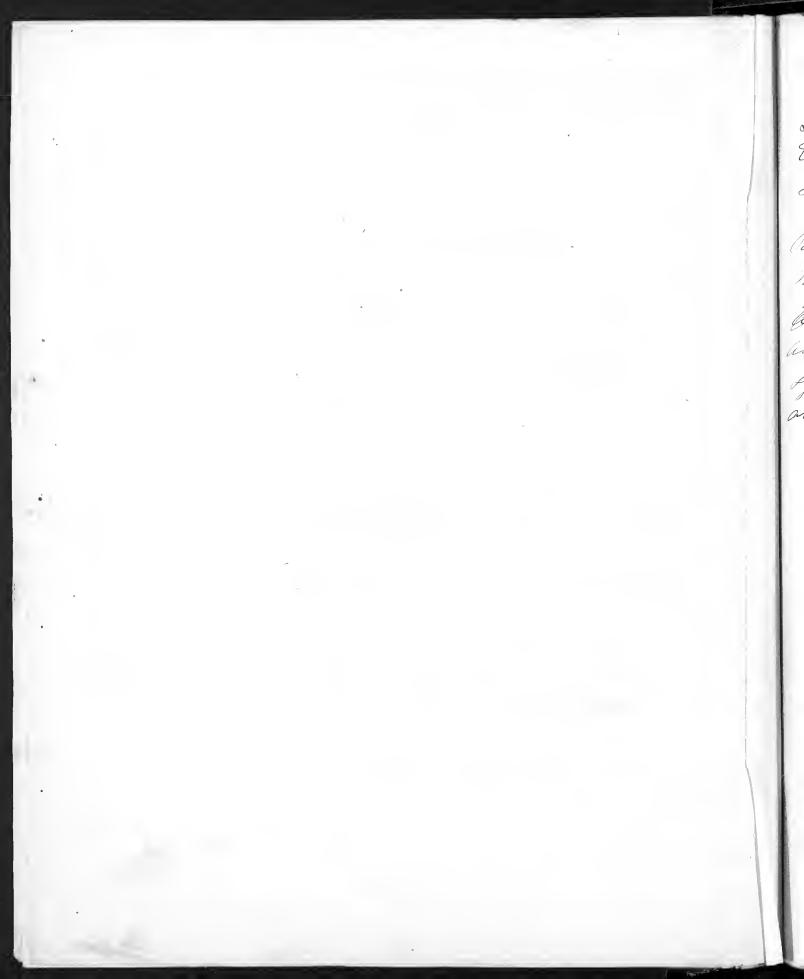
. .

/ Jullow polys tectique 160 Boutelour trifita fp. hov. Spikes about 4. Hongest many france.
Spikelets 2 flanced, fluves sen acute upher
1/3 longest menting him & aristula, slucrous! 2 florend. home fl. herreft. love fallen conneces, smittly pulescent," alsourly 3 hands termiting in 3 awas 3 times its tempth. When pulen Equally the love, southers, imperfolis florer of 3 aristae, long pedraled. Nos 2020 + 2022 Mright /749 - col/49/; Ris hos 167 Grande, hun Elm bruke fohott; alw 1427 Berlandier Col. Verenned. corespitore, cular 5-10" high, pulcrulet Theuses, much shorter Men the internoons, ligite mite frings, leur plons "bong. marrow, rough hispid Especially on he apper sufface ciliate sculrous on the margin of often pilone ciliate specially below with white hims longer them especially below with white hims longer themes specially before axis in from telesces the midth of he leaf axis in from telesces or secured. Spikes 1/2-1" long subseptile, spreading or secured. 9 lunes pule green or purple - 1 polem of festiles flower mintely fullwest or king Berlandies I filly have between mishout pulment, terminting in 3 longs between mishout any intermetate bucinine. Intercent flower of 3 hingle. In only sculsons amo - as long as Three of the perfect officer -.132 Muntoe 2022 Maright

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Boutelone polystachya Jour. in milianson's Die. Chondresium polystuothym Bench. Bot. helph, p. 56; For in Emony Vep. p. 15-4. Burro Aut de disaper corbolo of the this Franks Bryclow; Sonora Thurla; Gilm Valley, & Shot Presidio del norte, Clarry - no 2021 langue The species has a like tange . Species on many from 2" to newly a frost in height. B. from smaller - cristie of love polar that's length, arroyo Cilolo of the Rio Exemple, Brigelow! Sta Fe Den sta Fe. Den hagins Dr. Es winds. L. Sile, 133 arroyo Erbolo na Bildrylord 134 Buren Mts. Boyle 135 Meaidie del horte Anry 136 Sonon M.

Boutelone brokethe derennie. caespitore, cum s''12" - - j' Jomen 2002 ; como of the below (conor? send most - lenes plane, him withethe seemed former priores at. Vare - Spiles about 6 - comme Endring glubrus slander, Spiles about o short pedried - paedrile pulie quelis + glanes hornte - Apriles " com But & flored - moris from 2 at a ego 1 send spitelets 2 fe - love - gl Care with conting the he cough of affer. 3 neved aristate accumula, & signed on - Herry fe - form fuller 3 accurdents Thing on the sens or may in , 3 find at open toto subulate Entire, upper aqualling An lone strongly besirente, never offrozhinter, accurate to munitary aristale life A ofen stones 3 - anther lange files Ant styles dumen with day con they les 'hmis- Reutent je pedrælled : considing of. a pay narrow I aris tate finden of 2000 having attage lears - Equality the father fe-Roch bruke by 1872 & Valley of Death hon-Brighton- 753 might-Distinguisher by its way king flows & its comprefer currente enfrer fulca 137 murve. Ruchs Could Bing 138 - Georp of Valley of Death Day



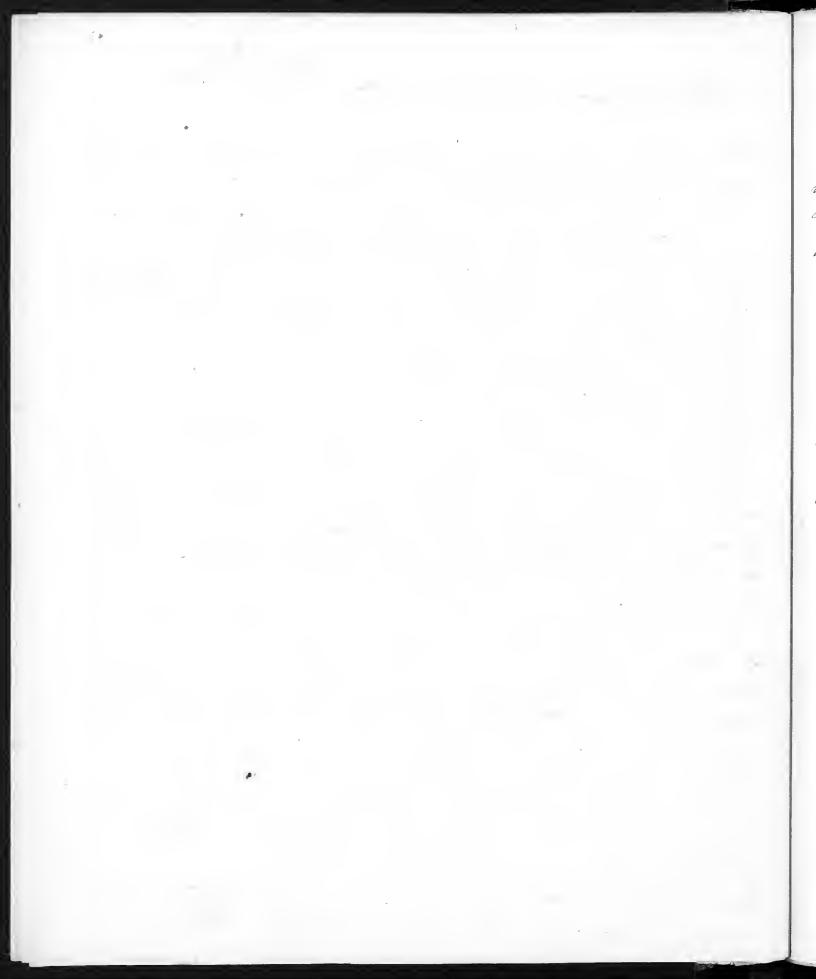
Boutetona arishordes. Inetra austidordes H.B.R. +695. Entrum aristedorides Ath Somme 1. p 280 d Suppl. p. 233. Burro Puts 1857, I lessayo belolo Less 1852 Brighton, In 757/49 Thruj thoris, 120 19 Bondy Color, not your Pring thoris, much the isprot of an undereloped arisheda. Specines agree well with the fryme dore quoter. 139 humre Brigelow Dourso Auts.

L Ce

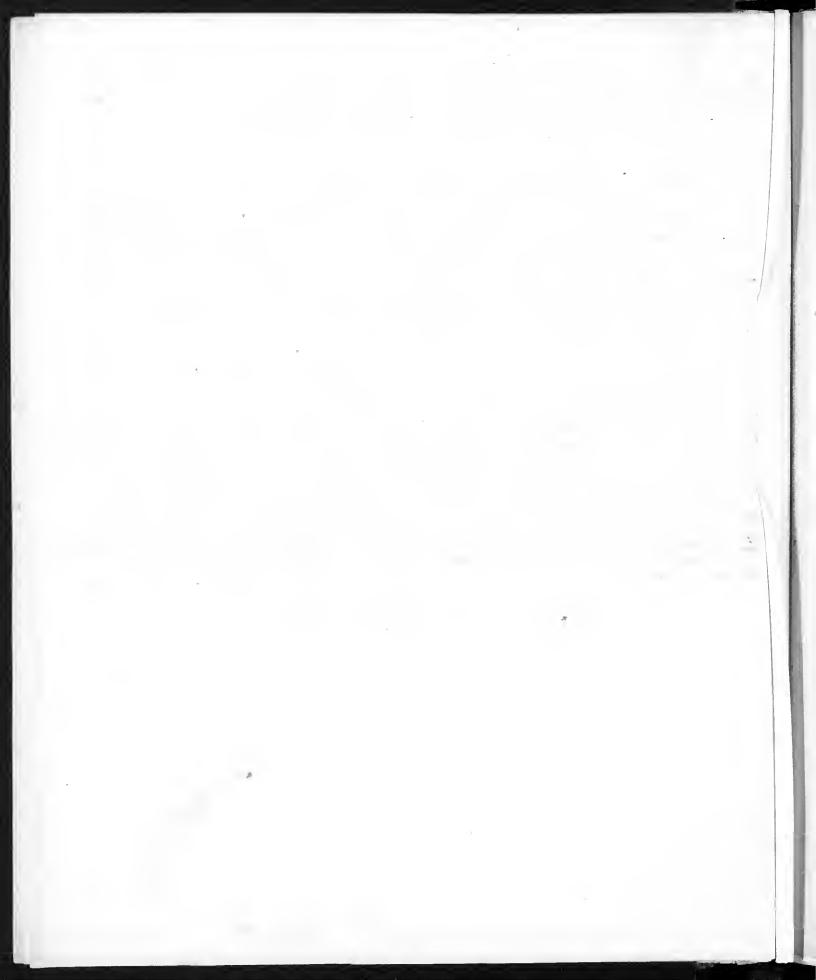
Bontelown homondes Long. Elench, 5? Inelra bomoides HBK. 1. +, 52; Entrum bramoides 18th gram. 1. 95, Enem. 1. 287 & Syple. nem Inlac, Parry; Jemos, Shilmulan Thurler, no 2024, Minghtan Elegant grafs, the specimes from how are more than a foot high lenning from 8-10 Huskerd Juple spiles, the bosen of Which are an aich long of ming floring -It is doutline if this is the flust of Lugusous B. bromviles - which kuth doublfully quites as a tynonger of Entrain Repens -Die home artuit the sent fry win HBR. 140 hourse He hours. 1.
141 " Julue. Purry. Dashelvin pinafolia Heterostega juncifolia Distr MBR. + 54, Entrada juncifolia Bth Em. 1. p. 281. J. Suppl. p. 234, Punta de agun, Sonon Schott Spiles 3 forming - Bear Marchen Spilelets with 2 hearth for I a third would to a sudinty pedicie- butter pulen of love fl- 3 fine the 2t flower duply 3 him the 2t flower duply 3 him control this ion his at why all long aristate the central and longest -142 humroe flued.

The description or juga our of appears to be later,

l'ay sita mucro charin Boutelous polymorran Derennine, caesfutore i culous ascending prom Subjectionaliste line, stenda, wiry- 8-12 notes high factuling ams) on when Incartes known of the law of the colin. When shorter the internal's smoother. lighte minute, lacendolenes about " long. " niche at have Brynde
Lenes about " long. " toping to and prompert at april - pilore ciliate. Spins about 4. short pedialled onest. of 1 spikelet anch - anchis, prolonged into a 1 new of glame like print 2/3 as long as the lone glane. Spekelts mung flowerd - 2 Resmufsh f. 12. - 4. Wesch. Elimes land that account . 3 served, toulions on the mid here - cutie at the aper, upher /2 outer) seewing the love floret-Tour fe- againsiere upon a snort landing villous pedicile andoring the appear ones - Love fullen 5-6 lives long gralrons-3 rend - transling in 3 long enlagner ster shich me 2" 3, 2" long & mindly scultons. When halen aquelly Ar lone, thoughy be curringly 2 never here, injusting extension of the mener wary's, injusting of the current with a lucinia believe of orang clonguter - styles 2 district - my long (3/4"-) ullors plumon above - oftimin ? -Symmetre? - Second florer on a pedrcity 1/3 For langth of the lone - Brimlan . Who floreto reduced to 3 anno Each Which Eynal Merc of the toner florets - sometimes ornliperous



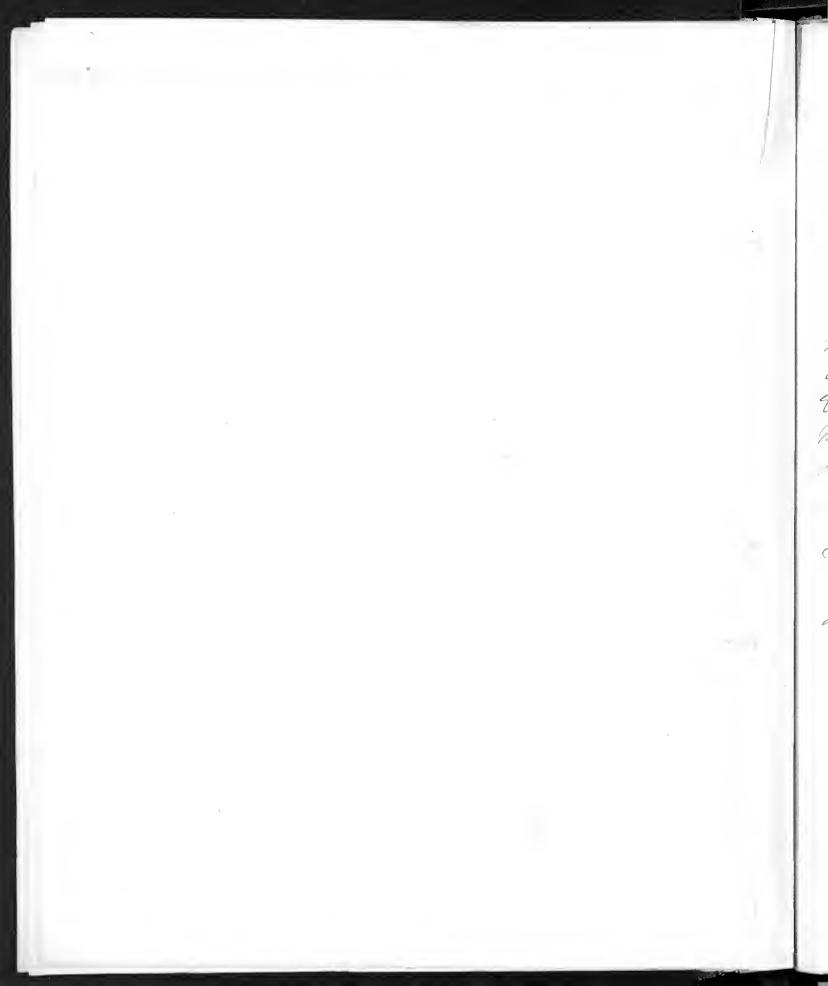
The 2016 might + 747 eve of 1849 - Collected also at Leagune Colombie her hegies (2) by Dr. Bryclon in Gofts Muffeles R. R. Lessey. The how described the What he consider The pormul & most common form of this polynorphons & Joungling species - It officies Elongula + ming flowerd - with beauth of The love flowers stammate. the pullace with Jang Short ames while the wife flowers are as discribed alove or the Whole Spihelet composed of summing as 20 distant sturmente fe and min theifix or ouriously aund love pulme - 22 is closely related to B. multiseta (Sutrium) of hees, from which it differs in to solitong spikelets & much longer setar & Endlisher in his Arlding of Butrain proposes to with More the Suldinis ion driplathera Sullies. Lelongo his the Suldinis ion driplathera Sullies. 148 hundre Big Whip gland I love 144 - Presto de Pingues Bring



aristitopseis (Fit gen Bonlelone) Spikesto may Ispikes my flow of 1-2 inf Spikelets, Bachis plant hemuft or foem, long 3 anistato, Mi upper staile crowd in a many asistel fus ace of names long Letus, Bouteloun (aristedoprio) polymatha

5 a 9 l. a Li 2

Spines about 4 - short proreciled, mest, of 1 spineslet such - Euchis prolonged with a glume like Sepansion - Spikelets many flowerd, flowers all munduline or fremine on the lover muse of The appear from. O'Sphelets'- !" long, glunes launcevlate acrate, lover I amed apper 1/3 longer 3 new men sanacord florets chistretions, distant, pullue mentranaens lover 3 newd, pilore at here, hijo o annet on termenting in 3 ams of viriable length, upper pul somewhat his last, 2 carineto cilità histor on curin, often 2 fix - archet upunds at lune, Staves 3 - with Endminted Squamlul. of Sphilits. Ilms 3 news, Sealows on the modern attende o Entire of refer - super longer nur fertile fl- Comer for Shorter Selow of flower 2 love fle futile andoning Each other or the taterest ones. None for stepitate, pulea corners with a film high at have, 5-6 his log terminaly in 8 subneque situe 2-3. h" long. Wiphen pul agrantling the love 2 news & troughy 2 news & 2 statore or apry with Aveign steen Moran offende in Phyles 2 longetes (3/4") fluvor sellows alone Fulerut fl- 2-3- Seduct to 3 auro and -



Center &" 12" lungh molending francele Thurse, from a perenie your a perimine group with minon standa contro short Engine a pilore allette leury Vering Breakpr Erect cylindrical. Spiles now the trumst, a polymorphous & progeting oficial The wholly fermine speamers, which are the more common, being very new Entrum multiseta hus, It differs fro must in its much longer detire to the pulme & its solitang ophilits-Sometimes the spiles are upolly theming of again with stummento of much helow and menty lift palene which pass it long and pulage, who a fertile of at the frank of the spikelet.



h H

To make 1-10

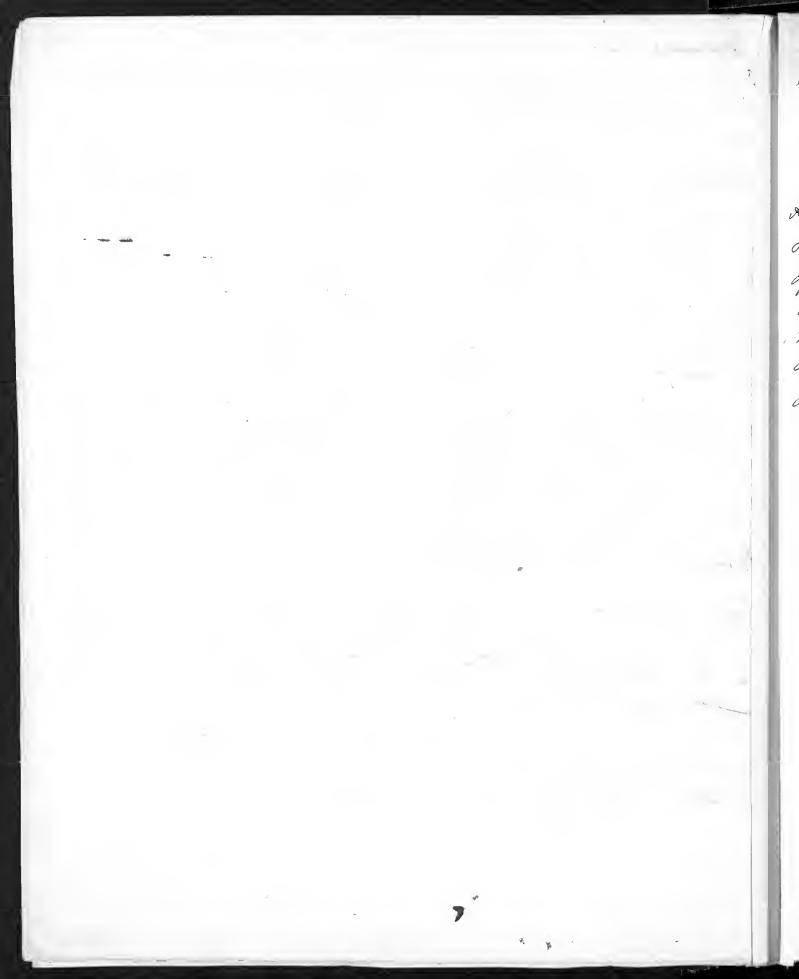
Spartina Juncifornin Enget Grung Me Leindles 1. p. 238 "Common along the Riv Sand"

also Bestundies Col. Ins 217. 147) + 3228, Henrafshir Jamesin Borr. in Ann Laya. h.y. .. p. 148 tio & Bruncys Beport b. 300; Runth Duce. 1. Howards' Springs, Prio Grande Valley & Rontons, Jugus Brigelow. On 2108 Might 14766 (de de de) also 946 Ferdler Rentrepien Collection Of. I have the some 145 Burroe - Fronten Legar, Bright

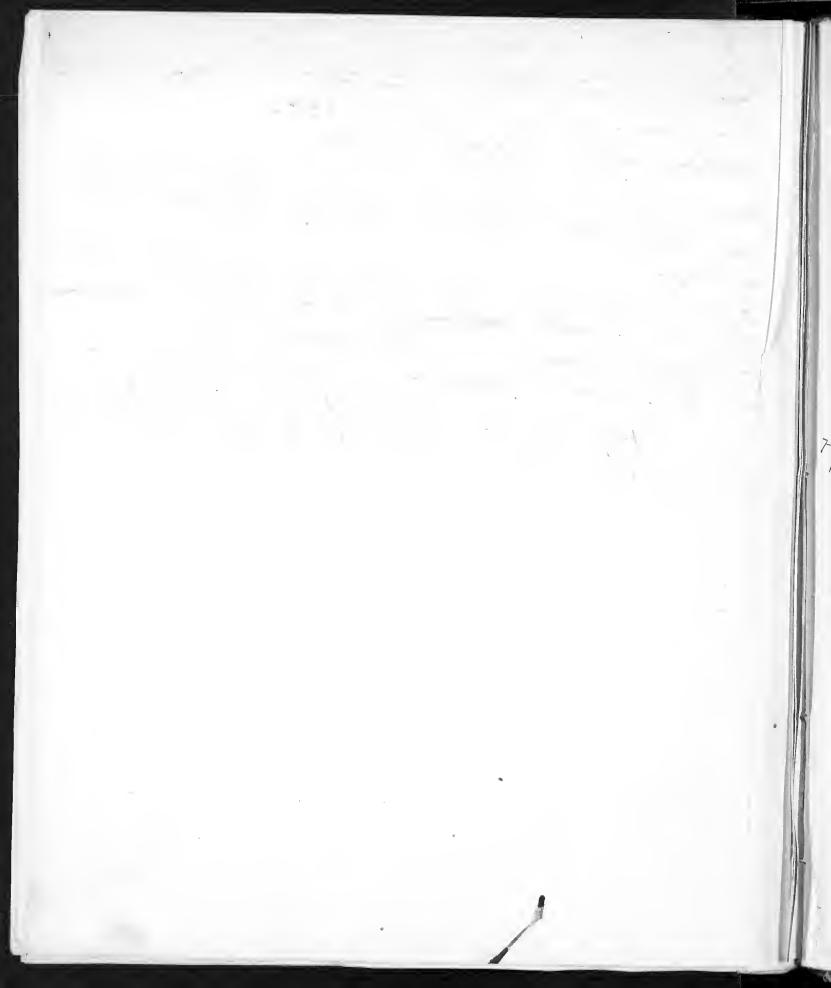
n 9. D. S. S. S. V.

94 Heurafolis rigida (Eurosa) Culins caespitone Erect & branding. Leany of Vanc - starring lanore - since they ally examed Theaths longer them the internals, works, Trigile sing short, be certi-Leures signi, con when young is accument to her or pulles and when young is the truspies with any scales thenthe spirite should be suffer their the surprise of shipping scales of the shipping of the shippin At lune - ciffindriant intricately deniety flowed Rushis flequore "chienelled - notated - smooth Spiles 3 florend - Dilunder at the industrations of the huis, 2 buteral & Sturing Central All hermight Sturinde fl. pulene Ollowy come ato, inequality tifin about 5 new - the centure never product beyond the becaute ofer of the larger bobe The lateral new negt the au also knowings into a deta, silly pilone on the help above to on the manjoin & after - and gree alone them middle prilone below - , Upper pulen 3-5 neved - twente & place at The city - and on the back from the littlene Slumite fl. puller synce - The love 3 news Somewhich trifice of ciliate at the aprep + aunch by the prolonged mid new - dup- swholed colinte of aprel .

The central of central officient control of the central deply cleft in the central not marrow, he central longest - mits municipality ains, the central longest - maying pilose ciliate, upper gime similar Afgetin 2- Stepitate love pulm 3 mus crupling 2 fine at the open- orlinte at aprep aund from mid some, Me lulus pometines proposting, After pulse minitally 2 aristete. Stewers 3 - anthers large fluts that styles purple, plumer tince us lay as puller - Egunnelue - lighter Entire. a stout signi grup with woody brushing anders apparently about 2 feet high levres of the Sterile Budes 4 -5-" & 1/4" Mile. "Thore men the spike colors!"-Milacie -3-4" long 3-6" hide - price perfer-Differs from le permessi in its habitits novely stem. The Brose minerous of the in the specialist - them with feature of the factor of th Colorado descat to Fort June Schold & Buy Show are June may thous = 752 Coulter-



Septochlow dulin her agross Brugie, p433; Wh. Enm 1.p. 271 Shiffe. p. 224. Chloris dutin HBR. tol. 694. Head of Rio San Redro nor 1850 & Presto de Pay-Suns Sept 1852 - Brigelow; In 767 Wright col Distriguisted by its loose florest spitalists which have 6-8 florests explanates of distributions who a zinging Enchis - Leed oblong concine on the since suffice - perior borese (147 morre Phatide Payme Brige). Avek and I young state Brigil

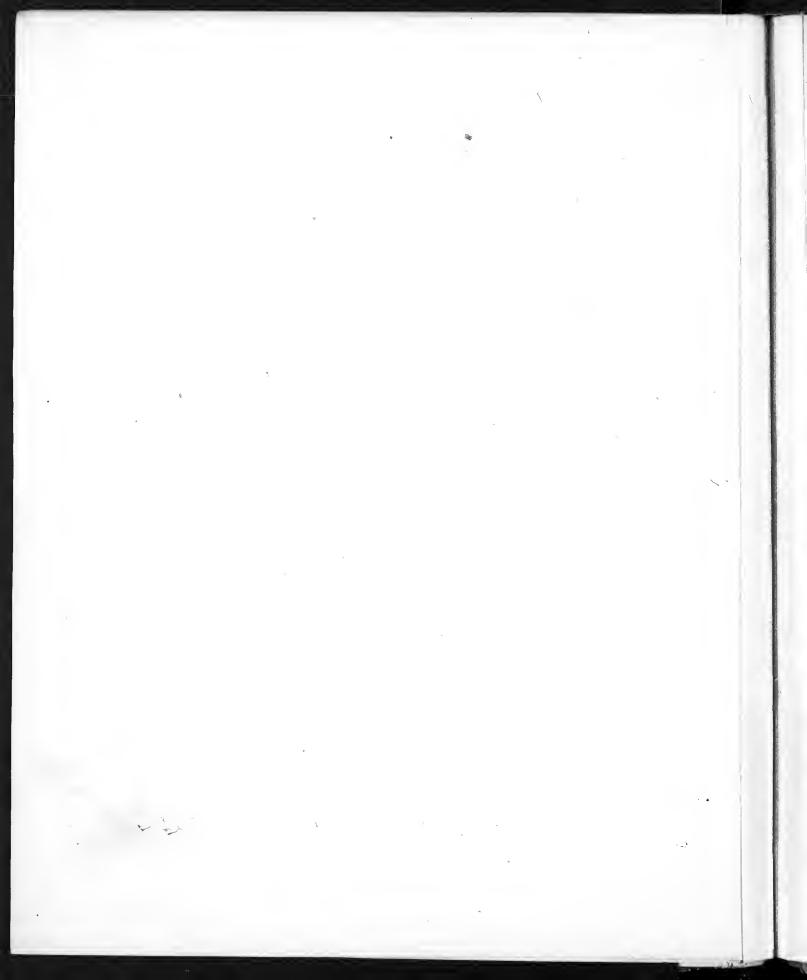


Leptrohlow milricata. Acremial and of theather smooth, cloud 2 feet high, tesete modes trefte. Engele Blong to lacerate - Lecour 6"8" long + 2" 'wide of lune Setucionaly accumite - "greened - Paulsons and With surfaces - Pariale Ench - Elonghis - py 5-"10" long sheallest at how or short Essetted. Spites miners (40 or some) 2" long slightly spready soleting or fusciculate & subverticultate, trucking slenda 78 fevers, or s. A spihelets. Blumes unegral - love acute + nuron about if the length of the orate office relumeroute upper one which is less than it the length of the sphelit 31the sphelit Lover polen Blom Mun. Lukaces - mentranacons 3 send latural sever manginie, denticulately heid at apeq. The central never slightly produced - tomy lover half of marginal news long pilones -Upper palen Eguntling the lover, troubly hearingto Mune & deithoutate of open, plone on the news, Stones 3 - orang short stiputite slyles 2. Samply plumore, purple - Squamelar 2 broadly currente, sature, Seed the Along, form Concure on the since face, loose in the pericula-Pro Grande, tit for brung bally Schot - Fost your My Thomas, also Collecto on the Gila by Manj 10000) many in 1846 -

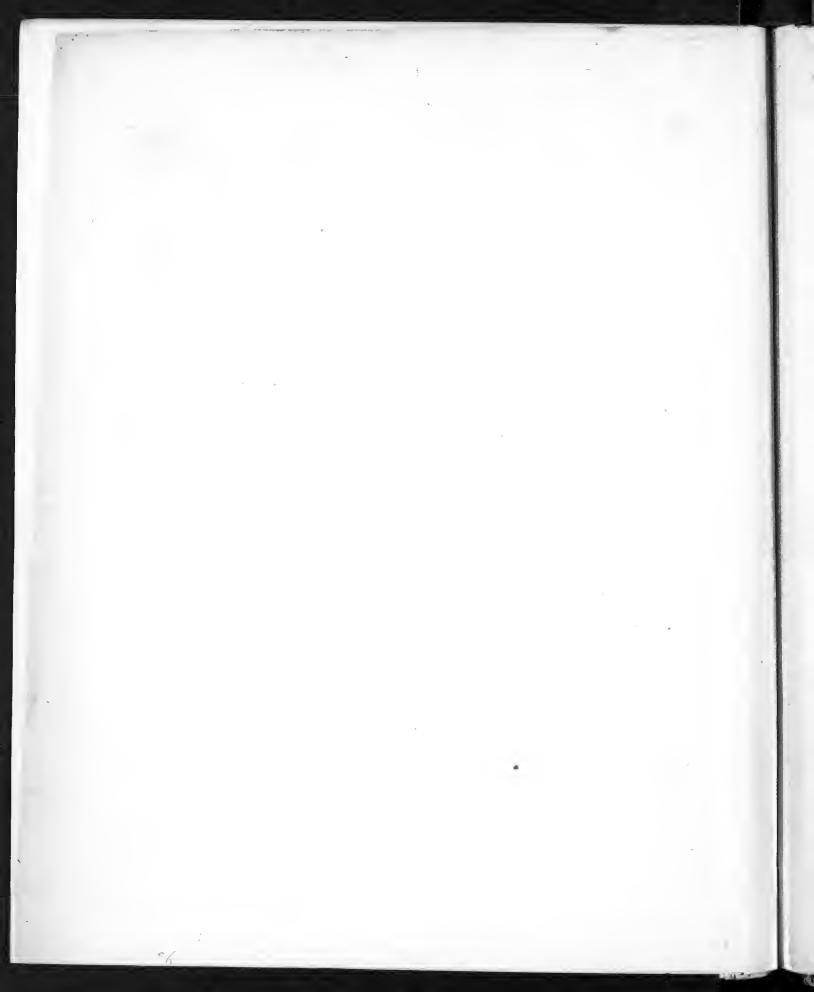
n fo Down sheaths buffers in its stongalouted from which it highers in its stongalouted many spites puriole- its apprecial flowers plants prince are smaller . I its nearly muticons pulcare—

[149 puriore Pro Frank Lehren

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All forther tite pille bade



My ian Osombuy

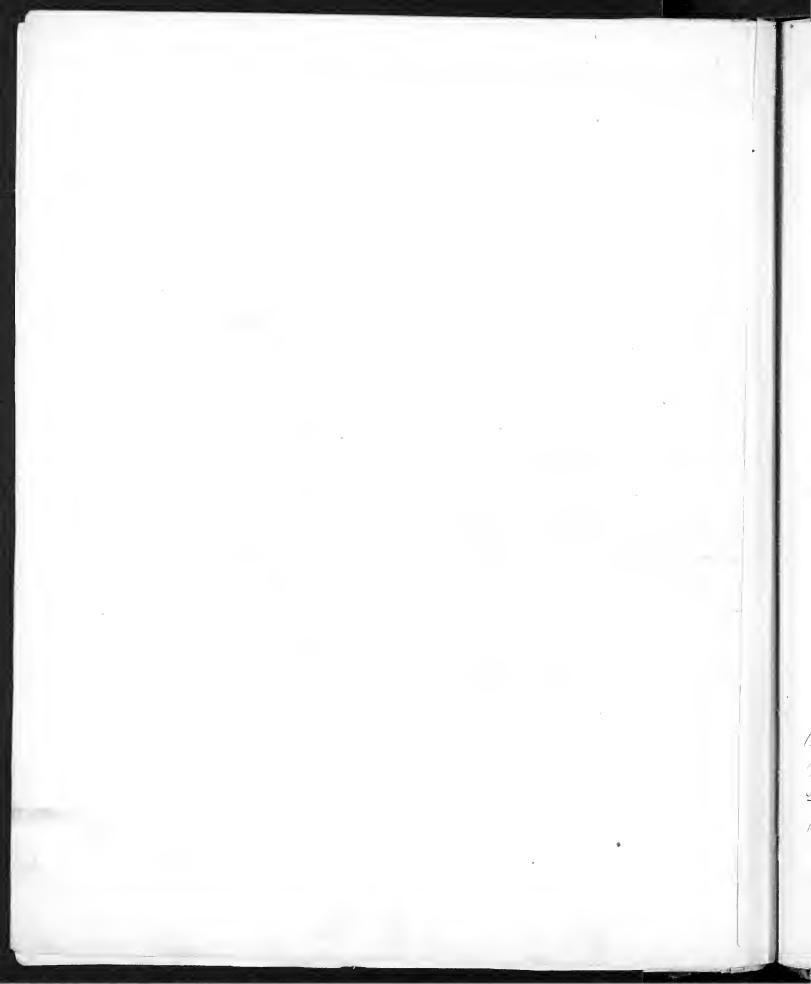
Jestmence ac

£ 6...

Marine proportion

OE

Weleria cristata Pers; Wh. Enun. 1. p. 381 &-2, 's. 3,'5 Tills rem Rock Ceruk July 4 1802 - I grundly pluins July 24 - 0ho-2061 ling lit -The row Gracilis gray which is R. mition & lutewoon Just - hus culticated by Themont in 2 jed 1843-441 a very large form from California, Ren ha Fulch. Roclerin cristata sur lapa - namele loose Arunches distant lelow - Eadrone leaves whort /2'-3"/ pule green pilore pulercent -Coppe mines, Bezelow hum.) Amuroc Eatonia otherate Gray hum. Et. 2. p. 558 Reporter gracitis 12ths. Rvelerin punienenta hut. Em. 2. app. Reloulen gracilis kth in fant. Sun Elegario Typ. Bryck; Dr 2060 bright. Leon Ris Jeante, Dolun Lando, Schoto



- Misla puniculata Den: Mh. Emm. 1.p. 425 o Suppl. p. 346. Sen bench at the mouth of the Rio hunde hor- 1853. Scholt. Bryspyrum Douglasii Hook & arm Bot Beechy!; Love. in Mipper Rep. p. 101!. Poa Dorylasii Dees in Jugl. am. hut. brok. 1. p. 284 V. Californica Stew. H. Seum. 1. p. 261. Sea Beach, Montery, Cal. april 1850 - Parry. no 753 Coulter California Cool. The specimens as hell as all that we have examined including the original from Songlas' Collection and all stummate with an imperfect orang-Reaths inflated, upon leaves of" long - & Paleia pilone hisped on the Real-Brizofagrum midla stricta Forr. in ann. Lye. h. Hil, h.y. 1.p. 105%.

midla stricta Forr. in Ann. Lye. hil for. (h.sa.)

midla multiplora Mutt. in France.

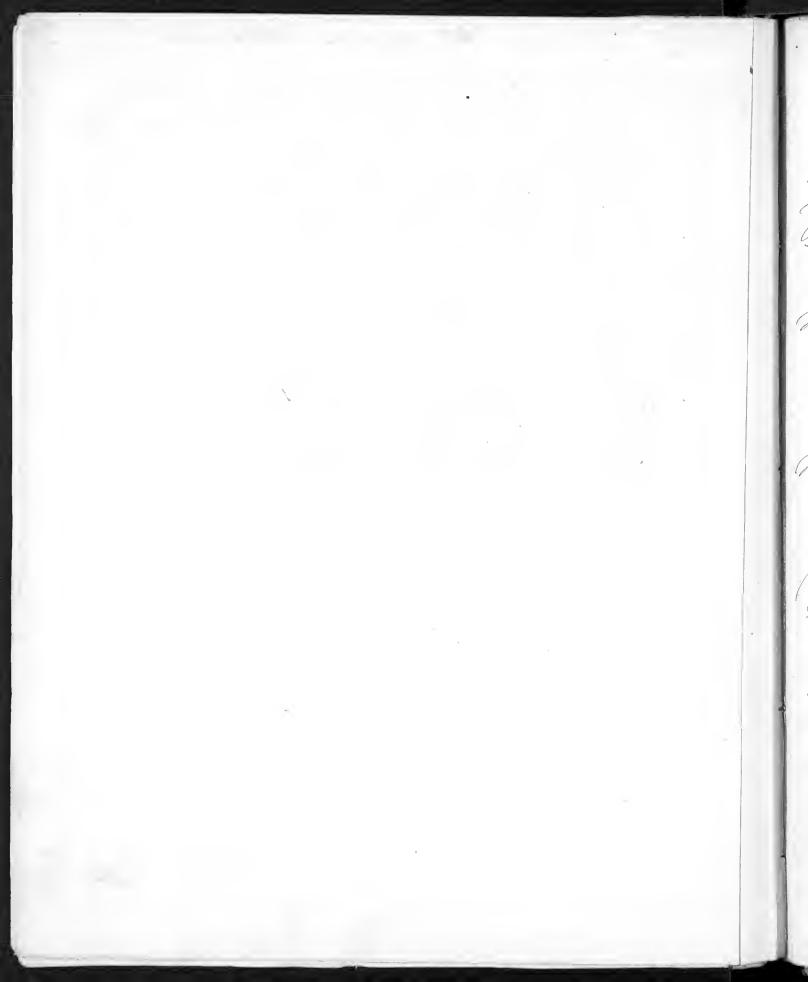
1 1116 1 5.p.148! Stools & am.

Areq

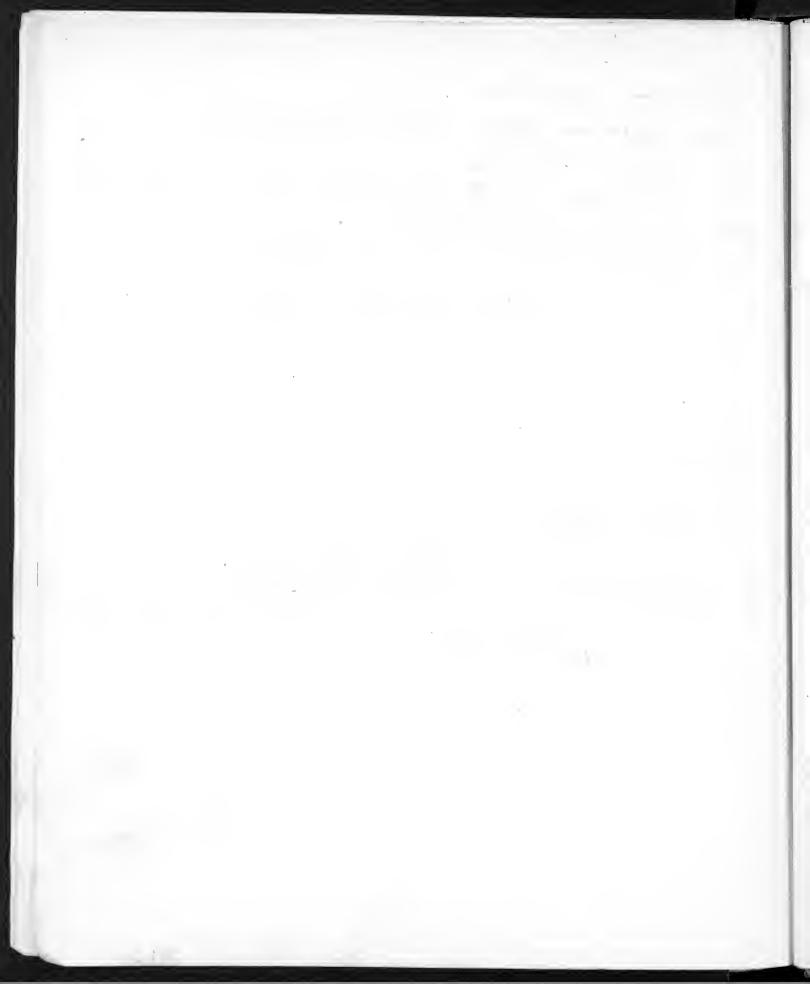
Bryspyrum spicutum Arrix & arm. Bos. Berchy. p. 403, Gel limiden strictu Fra. & h. multiplow and.) Franz (hrm. Ed. 2. p. 560, Pou méhungir Runth. Brush. 2, +, 181; Emm 1. p. 325 t Suppl . p. 278. San Elegario depar. Bryelow de Carllectes also by Fremont Then do not seem to differ in any porticular from the plant of the allustic coast. Van Strictum, pamile love - spikelits feut - mung (14-201 flowerd Drech - live setucions somelite, Man flende bruncher mostly as cuting the culm. mide stricter for in am. Lye. 2. 7. 1. p. 155! & in hungis Rep. p. 301. In nuila multiplora muttiplora mutt. in Frans. amer. Ahil. fore. (A. Fa) 5. p. 148! B. spreature brok How. Bon. am. 2. p. 255 in part. The Amila director for. has founded on an extreme along the Rio Grande at fun Elegario & Fronten Bagay & Bryclow, in the Silv Elgion Schott & Thurler, no 2033 Wright -Effet a conful spanin ation of a large number of species he fuil to find any good characters to Infficient to manual as in keeping this as a district species - Though some forms appear sens different from the typicale. It was upon one of the most midely differency forms the honolens Strictor Form has founded - The spillets flouts are at least trice the size the texture of the falence frimer & the leaves more generally Erest Thum

Line on for some

in the plant of the Enstern States - but in our say gull suite of offerines he puit Eury intermedrite state & hut of the ording between The his - Tike the type This is monvecion - that possibly polygumons as in some of the stammeter flowers ne fruit are hele formed though small orang- The pishtlate plant also hours Endruenty stumes at the line of the orang. There is the sum dispresse in the palence of the Stuments & prishttelle Plores as spirts in B. Spicition - Now of the former leing lep compressor - 2034 & 2043 Wright are witer medinte forms. Red River - hunery Ris brande Brigel Air Erle M. 154 Sun Benjurio Brigil

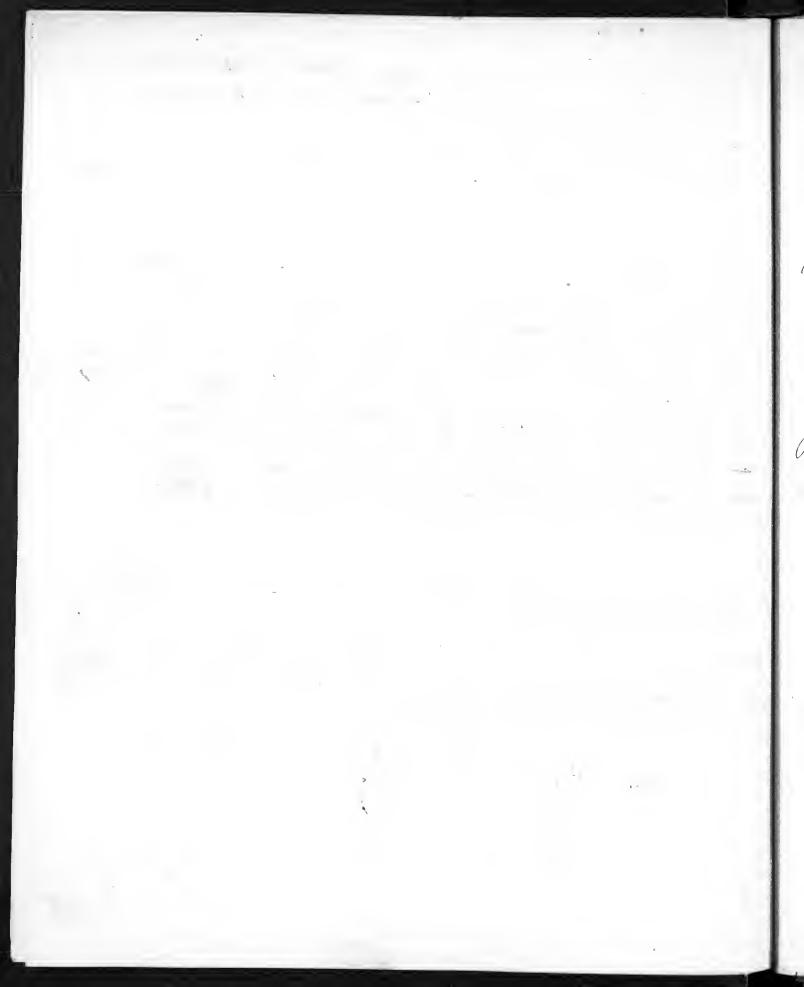


Vheliau mutica Mult. m diffuse Bry, Jum. Ed 2.p. 50-8 soulra mit H. a.h. Zerr. in Fram. am m. Tiffura Rush Ohil. Ive. /2 ser.) 5, p. 148, M. seulru For in murayi Refs. fo. no 2062 & 2063 triph_ mexico, Dheyy-Melien Sun Dreys, Parry -To be compand with M. Junicordes Mut. M. Sunt. d. In . imperfecta, Frie - - Rvelerin pourformis Tour . is het) 156 murve - all Me slock of Hech Form,



6 a p

Brownis mioloides Add AJSR1. p. 151? Cerutochton muidordes Beaux, agrost 75, t, 15, 9.7. Bronnes Willdemoni Mh. Fram. 1.134 & Emin 1.416, Legas. Aright, Levenworth - Collecte also by Capt pope - There seems to be sometiment confusion respecting the synonymy of this species Which probably comprises served mounted ones -If the windth of the foliage & presence of some (6. (Cerutochlow) brenasistata, Hork - Fl. Bor - am Mas too must be added to he list of Lynony - as for he find in the same specimen & Even in the same spilet forms forets with long acute & Mers being a vil & a distingt and as frigued by books -Browns curmities, broke of arm. Bot. Becky, \$1403? Copper Bries, Bijelon & no 2066 length a single speak in a lad state of what up. peart to this speak, Hut for 2 157 murve 2065 mujet 158 ", 2068 ", 159 " 2068 " 157 11 a y n r 2069 " 160 11



Browns grand flows (Hookeri)

Cerutochlow grand flow Hork. How. Bon-la. 20p.

253 tot 235-!

Seine Breiter (new yound?) School - Fremont

no 450. 1846 - California Chen hu Fitch
(Mune Month Le shanged? - Man is a B.

grandiflows b. Kosh - in Seinen XXI p. 418 -)

Browns

nos 2065-67-68-69- might-

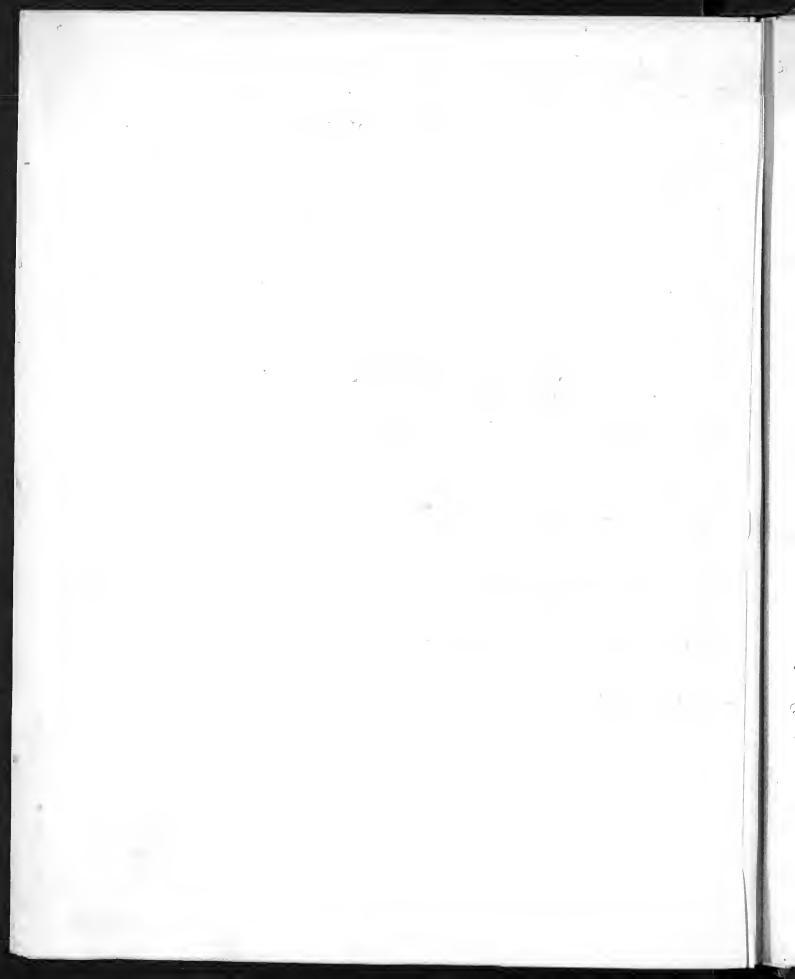


Unund. & inches high. Culm & due ath turn Leuves 1-11/2 wéhes long - 1" mide accuminte pointent glighty sculvous on the manying - plane - month Puriole Contracted. brundes mostly in Juin 1. longer Hum The other - cupilling - Iruncely dealins Genny 2 - 5 Spikes Spikes much compared. broadly orute short pedrcelled pule green - Eurely Eddish - 3-4 in's long by 2-3/2 " side. 6+ & florend-Yum. Compresed Carinate - Cureclite, menty Equal, Upper somewhat largest thing in sourious -Scalrons on the Red- wither 3 & love I haved. Louer Julia Acutish - without scale scurious at The april & manging, Somewhat rigin, conspicionly olly villous on he midnen 2/3 the lungth in on the love half of the aningue sees - intermediate never indistrict, considerate of here, Upper pula 2/3 as long us lover - hearing to

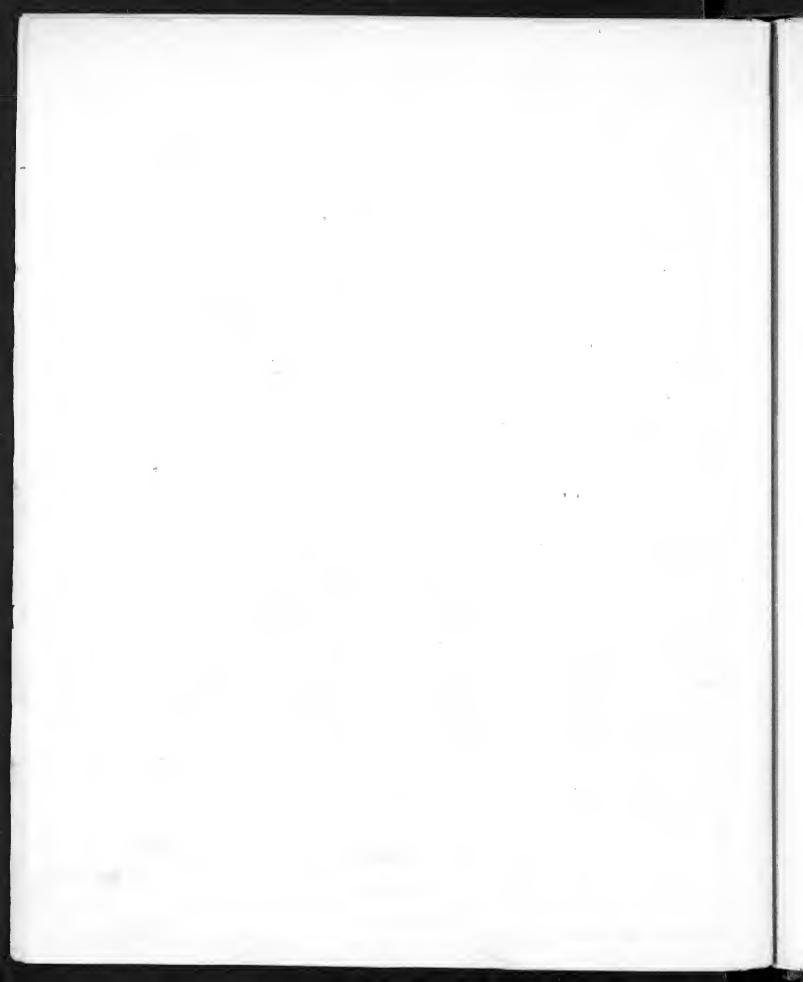
villous on the herres -

Wet Eurines organ Auts, april Brigatow-hos 208-206-2040 aright - Otio Heaves, Office Ce larger form er fors or more high 105 to mo 9 31 Fludler seems to be the same Ming has Mut is perennial

This is chearly The same grups as specims in Hert. Ton. from Gutes. Fletoner & June . mobile - muchid "Oon amou undereloged + "Pou Eigistu Ele?" Someven Es. 2.6. De Hunter - I specines from Christina. I seem muche only O'c annu Frest has Or Lecure & P. aestriles' - from abili which seem to be new Non annum or varieties of N - Much is O. Ergila Ell? 161 - Hofen to the 162 organ Into Dayse Obre lapa Frum Strasty Then perfectives know nh Egled - 1842 - any 15 -Ova Winesufer forms more untly - f. J ... 2142 Wright -



Heremind, competione, clothed on the here with nurescent shouths, culms fromprefel rigid raugh- a fort or more high. Showshis rough Escaring the modes - Lighter short-truncate- seure of the staile shoots 2/3 as long as on Equaling the culin : convol. ate letueous - hegid - sculions - Oftak Elecul. Colon levies short - 1/2" - 2" long. Ite appear ones very much reduced or hunting Paniele about 3" long contracted or Expected when old luce often included, branches in pains, or with Me common quehi scalrons. more or less maked below. Spikelets 3-4 lines long - somewhat flattered 5-7 florend. mostly divisions - glaves lumerlate coute, apper nearly as long as the florets - loner smaller lover ! rapper 3 nearly Leadrons, on the rule - tep Time Dupppacons gept ason the midnere. Love pulen Hunt 5 mind, intermediate never faint - villous pules at on the love hand the & manying al sures; when pules at newly Eyundling the lover. broadly 2 carried form what trincate at aprez - cilità hispid on he haves, Orang ollows. Styles & plumme nearly to lare - Lg: 2 Grain atherent to pulea? Seens to be perfectly disceions - Me Alamantes Il have the lower prisen show acute & this Upper somewhat I fed -



12

bopper nines, or you hits, San Digo (on the Prior Irande hem John am?) Bryelow, - Star Bruz Parry - 2041

a morther from of tranc?

Also? 932 Fearle which have some of the Polene servelate at tip?
Blust pule glaman green
probably seem le koelenisides true of Santonniles

probably seem le koelenisides true of Santonniles

probably seem le koelenisides true of Santonniles

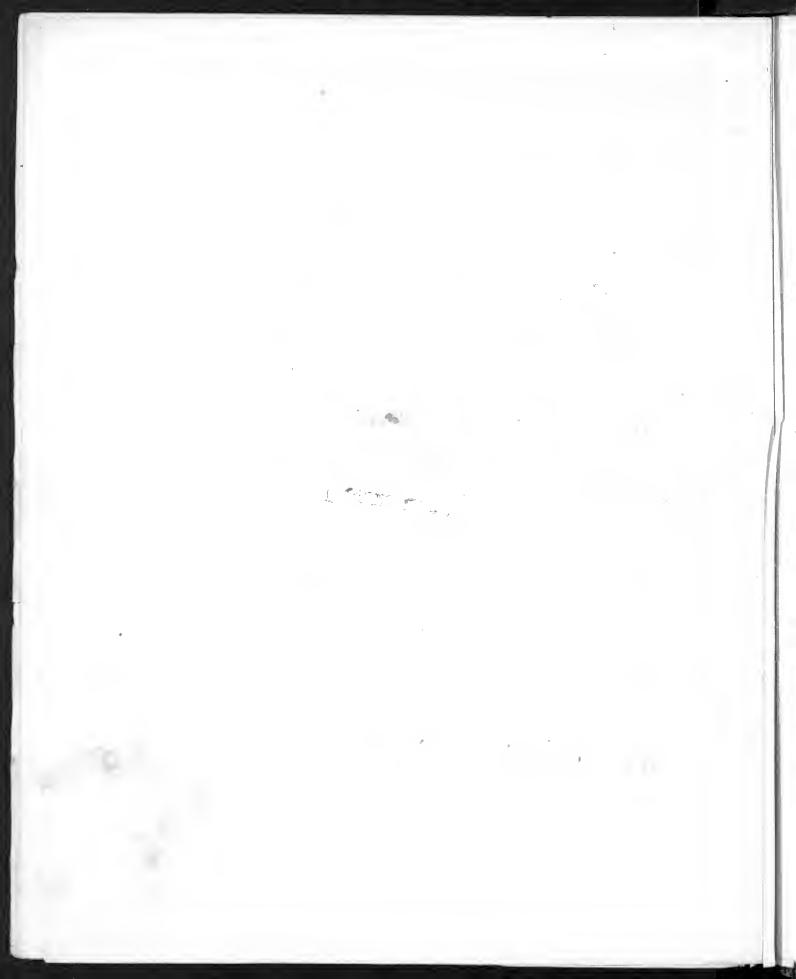
163 human Organ huts Bright

164 le fem Duye Bryel

165 le Gopperheins Bryel

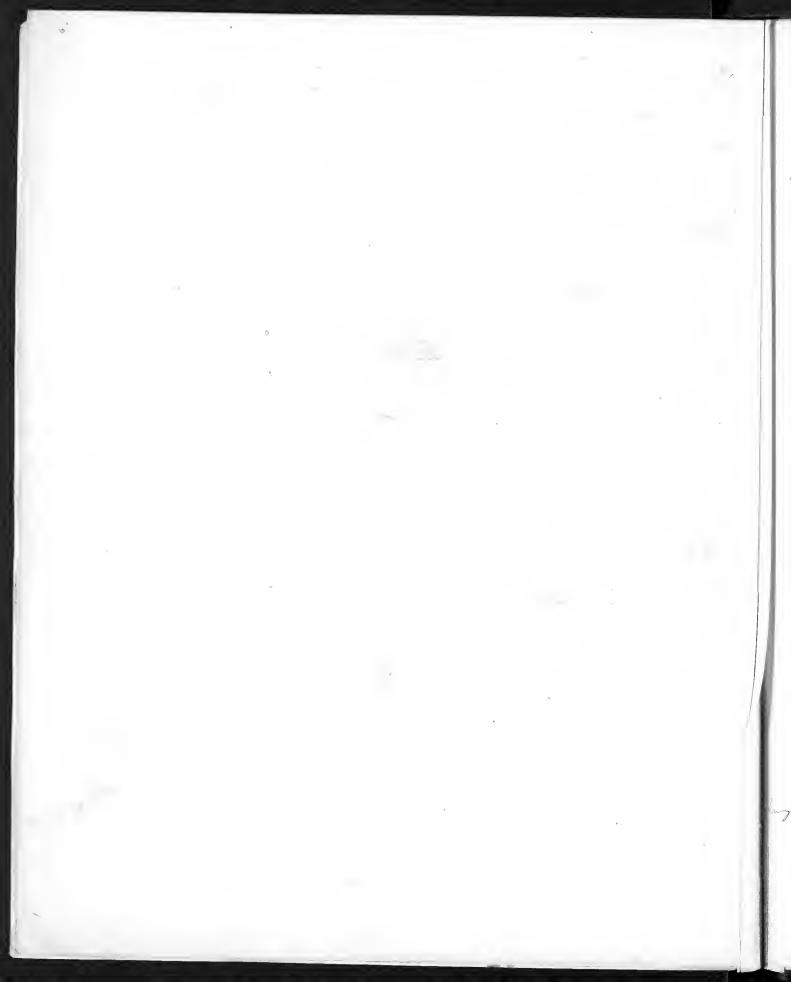
166 . Copperheins Bryel

Erwyrosti Mercein hus lyrost. Mor. Tea the Sompin Day to bopper True See my. Brige - ho 2048 or 2049 mights -The ficeries agree whatly with heep description of this judge hour of coins siglows species in many 3 just hang to with a sprending primate about a first on more long - 2 juliets of the love handles 2-3 flowed Those of the define about 10 -There scalows on the new - pulcu tilscurry Drund Evended 's mindle on the laste's Trugrostis Bushin danst? Solared! Every mun nimbres Byelow 2051, A 2052 May 21-(337 Jade?) (m 2047 might a form of Mis? + to be everywed with E. Frankin herzer) a delivente denda anne for Lompin Bright - is it a state of Rushing? - what to do aish it - do - 2046 & 2053 Wright __ 168 Dowpin Bige

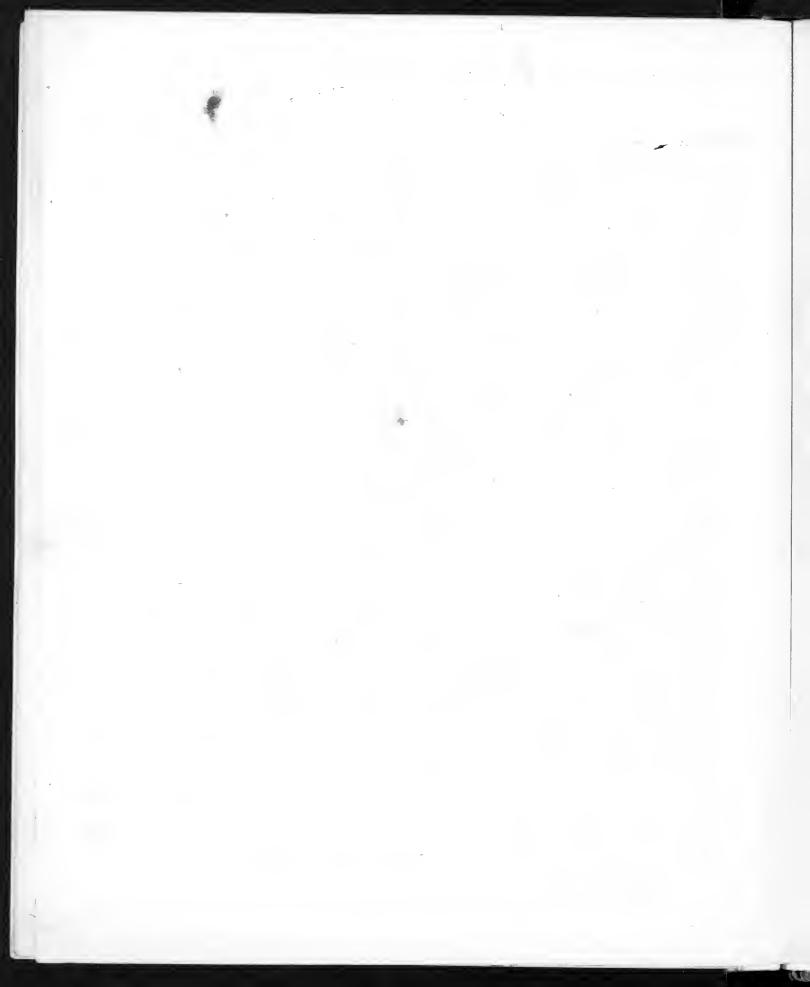


Eragrostis reptures - hues ithor Brusil 2 p 514 - Bry man. Ed 2. p, 563 -Pou Raptures Michy Hor. 1. p 69. +11. Row Eypouvides leum: He. /fine aces) On cupitata mit Que capitales the town, Howe & Pour cupitate me in Irus in. Othic sie m. Le. 5. p. 146. -Typas & Oldong me Riv Grande, in all this Collections - hos 895 x- 2325 Berland - 308 + 320 Dumen 1 1 1 29 Col - 2045 hry in - Oleyworn Chepies Tregg-The specimes all of the cripatule form neriable and to acutants of polane - The flower flores. have the ripper pulear frequetty or long as the former - the pishtlate it is usually solonts hulf as long. In some of Tryclores Specimin he spilets are fully 1/2 water lower with about an hunder floret - Someting siftly puliseent Manyhout -

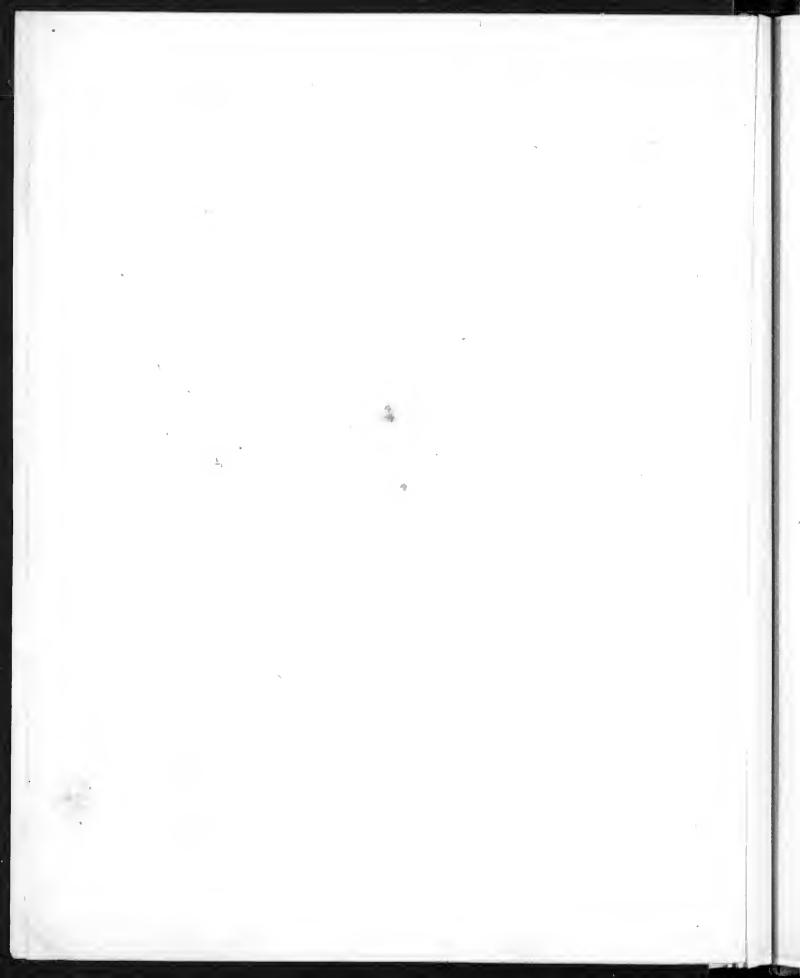
Erregrostis ogglepis Tor, in maney, Rep. j. 301 tal-XIX-(ful Pou) Tul. XIX & Whip. Rep. For interreption mitter Bung. am. Phil. Loc. (n Sen) 5 5. jp. 146. 1. 10 - Lown, Egyle Pun 2 Lemes tenst -Erwyrostis Praevides Blam - hu hug er tachyn May - Mani Ed 2. b. 563 -How meyor tuelyw dants nervins places former & blunchen Thurke - Tueson tehod - Min Silve Sway 1826 --hos 864 -2284 - 2570 - Bulandin -Erngrootis alla Prese. All Hambe 1. p. 279? Rem Brien Gulyfornin ha Bluke an profest theorem of what appears to be Mis species - Emmhute for their very pule spikelets & mindley aproulate pulces -



Mycesin? Junyes That Ouremil - aller since from Oreifning they own, alone 1/2 feet ing ~ . Socening longer vin artendo i mileto pular e to - pilepenos at Pront - I wise the levis pute stancon, frem - love ones allowinder & crowded I at the love of lule - injule fint fullriste -Semes consolute /windry about 2 mins boy 1-2 his side at Ime taking to a somewhat Eight of purget aprep- may strick shintedly interest where mosing platons below - Thomas of he lover to Dums by that I office with Vaniele Euch. brushing A. Izanche, former - young, derint - solving or the love gase-old in 2-3 ist The boun pilose in the apils 2, iheld cany that pubrielles - 1/2" long. Uneverto alor 10 flored, lend colored - gives oute 2 anti-Propy I send - Isom malen - 2,3 ling on of love flowers - forthe Love junter broady or outer office or helican - Smith, when broady licemente shipty connecto - herbuccus , when broady licemente shipty fections on news - Equally the love Stymis blumon sin branching havis dunes 3 -Symmetre 2 - truckte -Luguen de Sta morin Cha - Byder. 193 4my hr 169 Minuwe lang Star Minim Brighton



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Firstness microstinshy. Must Me Gaml. in
form beaut. This p. 107-; Im in Miss.

Our Sounds - bill - the form the frame breaking are

Drigo - More from the frame breaking are

Met 3-4 wills high -

Festive benefle Mills. Sp. 1. p. 489 is Much Sum.

1. p. 397.

Copper Ming h. Ang. Shipil - menty like the

plant of the Eastern States—

Man, aristotata vor. in Majo My. p. 152.

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Trouten Degar, Bright. No Shark State Ship Carry,

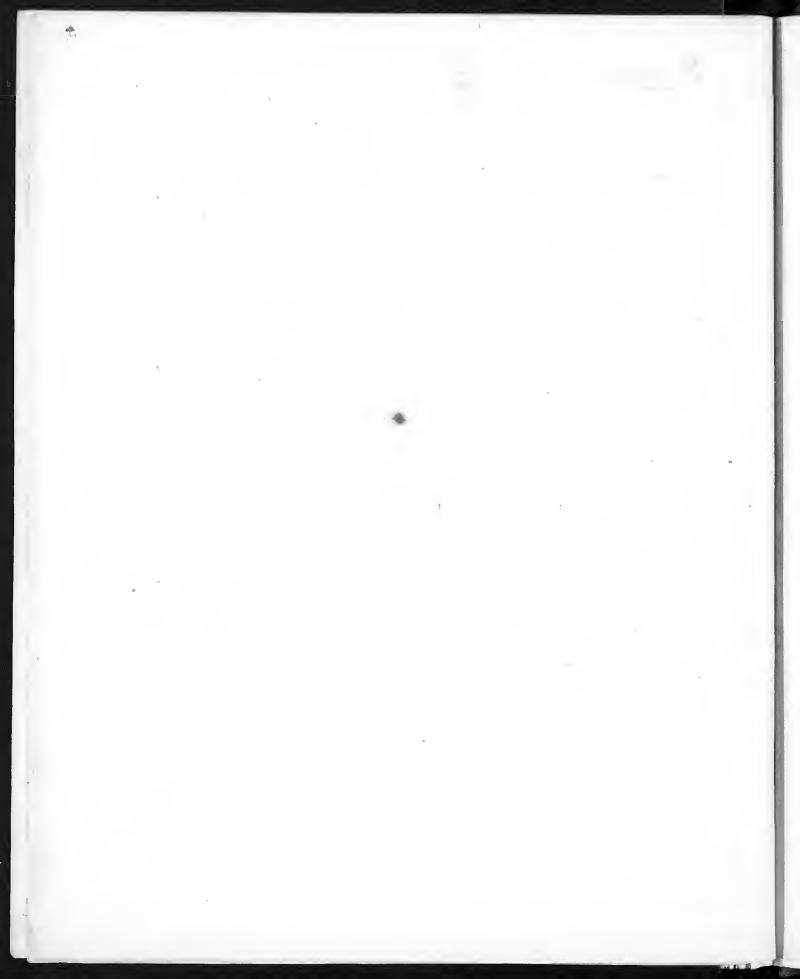
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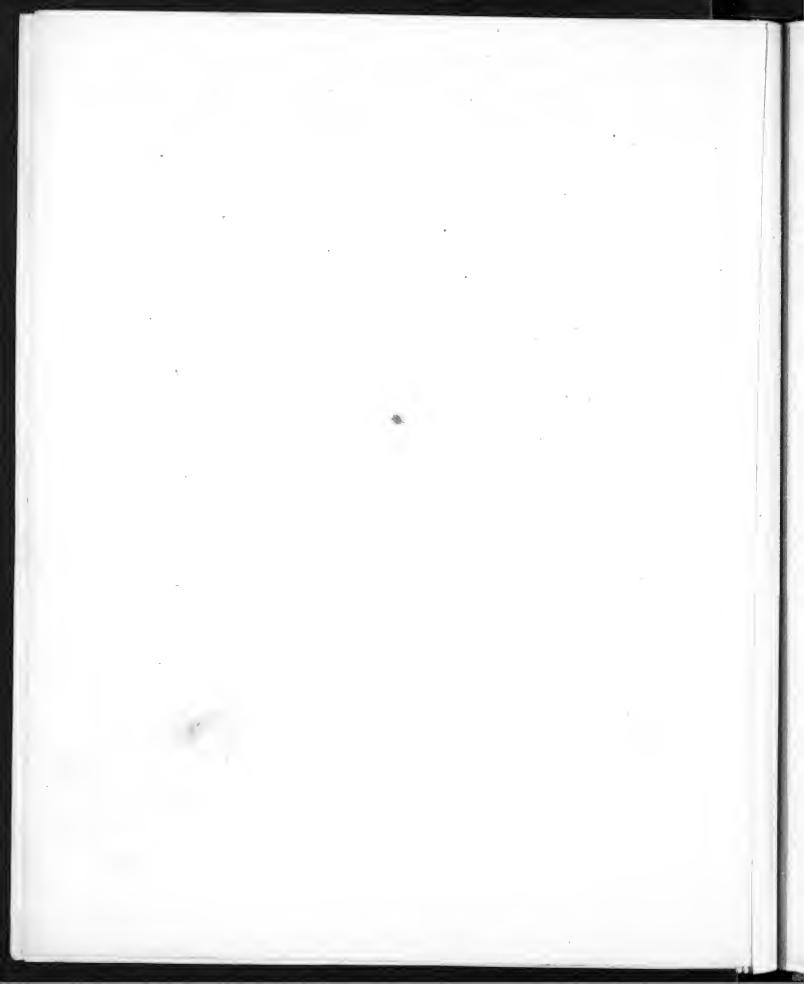
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Les cerim discriptories hat 3cm. 1. p. 165.

In . i Brown Reps. 10174. +10, a Mais Ap. p. 157.

Admind Ing. Bright - hoster 31 Songar.





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> Tribehouse mer besides and for me

F. 2 Splan appropriate

arian Derchampsin) Hong ata Hork. H. Bor. an. 2. p. 243. tab. 228; Jon. in Muly. Rep. p. 165. Enliformin, Our Im. Fitch & blem Mater Plyon Ren ha spulling Deschampsia Clougata Munero. Oh Berth. M. Burting, p. 342 Howhen seems to have oralworked The plumore Endment noticed by Forey, which is in some specimes menty as long as the furth. ale he specimens ne have gainein have 3 Stumens sure there collecto by or Bujelow in Mipple Gold, which have Int one, The older states of the plant have the brandles spreading or the aspect is very different from that of the young) Theories where the branches are Sent 941 Hute. D. Spicota Dan Monin spicula Bours. Of to? Benev. Second Sung) Van luga - soo-soon jurieles, Spreading, Mens much monting 1850-soon jurieles, Spring, Mens much Spires 2=54- long jurieles, 1 be ending he flowers - love palen gladrons when the a filoto tuft mid may on the may of toles in a cultivate. not aristite - aum as long as the Tips Inlen- downthis scultons - with district for his as specifically district for his as specifically district for his to flat of the allthis attentie State. Den from thering in heat. Tour have my nearly as loome Men inflores com-(170 hoursol)

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atten Derchampsin) Glong uta Hork. H. Bor. an. 2. p. 243. tab. 228; For in Mily Rep. p. 185. Enliformin, Our Mr. Fitch & blem Mater Plyon New the spelling Deschampsia Clonyata Munro, Oh Berth, M. burting, p. 342 Howhen seems to have oralworked The plinnore Endment noticed by Forey, which is in some specines nearly as long as the floret. ale the specimens me have Exercise have 3 Shumers some Those collects by or Brigilow in Mipples Gold, which have int one, The older states of the plant have the brandles spreading or the aspect being defined from that of the young specins where the branches are Sed Whon in spicate Beaux. ating Cale Ming 1800. Parry spearing have all & spikes Each -11- Must The flower pullen is pulore on manging only and its lotes are somethished ten thing to must differ from this The gustan state,

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arena fatura doini; Mulh Sum!. f. 302 & Suppl. p. 256 - in Calif Burry & Thursen Franspis purpmen, han Ed. 2.1.p. 176. Mulipis purpmen, And & aristulatus my Hayas, May st.; Drumonds 3° Cool. no 330, Trienspis Sesterioides Forr. H. X. Y. 2. p. 118. Wellepis cuprece May Erren. 1. p. 318 thight. 10, 275. Otio Grande, surious places, Solvoto. Pries Leon, Tegas - no 2055 thright - also in hester Types by De Chutisell -The specimen by & Bigilow & Salvoto we diminative, now by might nearly, ar lunge as the penut of the Sustan. State, The culous in all somewho pilore puterent enfecially alone, Jask Gray to agumine May hos)

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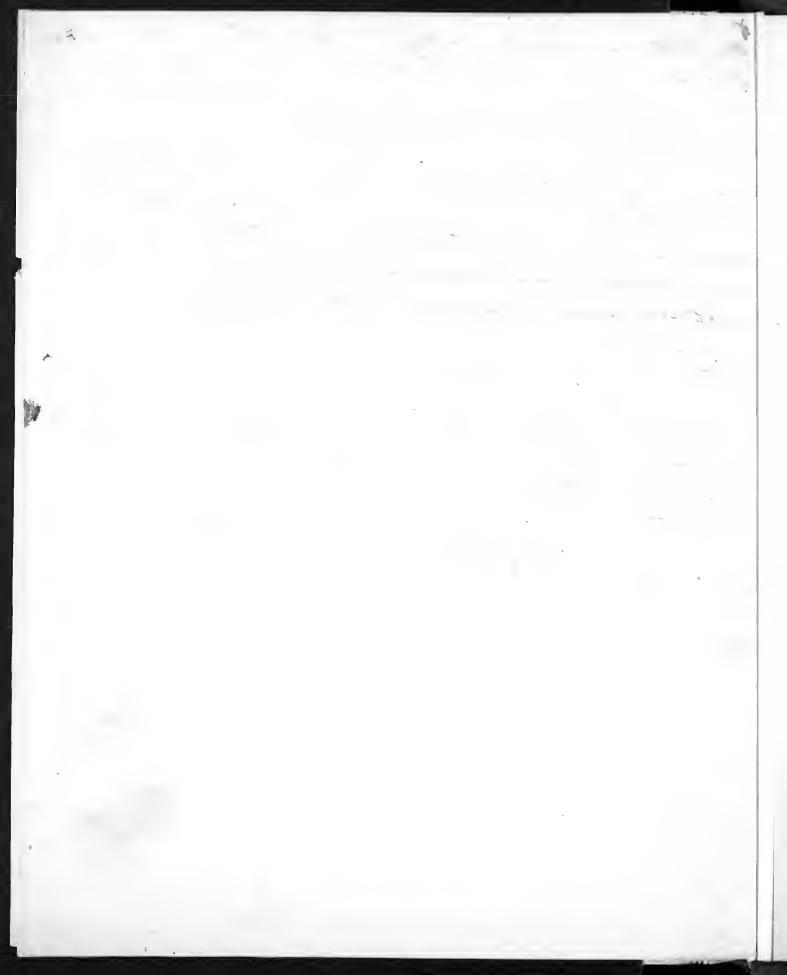
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Scutetten nearly half its length? The alliet minus portion trumstreet, cheeps the news Leures pule green - puleue morlly white, sometimes, tinger with people -Leon Springs Sept J. J. July 24 1852 Bright & XXX
also by Pope - mar 24 (restriges) no 2058 thright & XXX In not agree with I trene ce toble, And has beflowed Spitelet with glives Equally ; hein I aremacen, with which it was miget in the distritution of wrights col 1829 -Yearly his tinguiste from their Spin hy its lunger & mung gloriend spilette - + its browdy Curinte & month of Entire brue 179 (Bige Leon Spring) puleu -



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Vitia repus 181 mins 2072 Wrights 182 - Copper mines Brigel 183 - Lumpin "

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Loluin temelentum soin- 1, ec. 122; Who, Jun. 1. 437. Dan Drego. Vinder. & Photo award sarrety Collected in Bulgarinin by de lendens. Latrolina (?) Futisum Elpens bein l.c; Rin Enum 1.p. 1860, Hows. Hor. Ohr-Com. 2. p 2572-Varions form of this turible species in all The collections from Fegas to Oregon -Tritiem caminum Lowely - Im 3. ymeline Ledel. Je. A. Aoss; Horak. H. Bor- an. 2. p 234; T. divingues, hers, in Steen, you R. Glem. 7: p. 347? Copper mines, Angilow; regon Ner. In. Spulding. This seems to be an Esteemed pustine grafo in Oregon - Mr Spulding, a allissionary who collect-Et some years anyor at blear health sends the following note with his specimens Common Bunch Eref of lepper oregon, deferior to any in The world; Pluts usually 2 feet high and fresh Through The winter, often Eight wides heigh in hunch" Clynns Coundensis, Din; Will Em 1-10 450, in all- the while times in forms of what it Which and I've general unretted state of this guens un agen to beauders's -

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Horden pruteure Bud; ilthe Sum 1. p 455; 129 For in Mings Olep. p. 157. Heculenia Labret, H. Edzendens Kisk. (Fide muro, ille bustney) sulfarmin ha. Thich, Morden Julation Simi; Erry man. 22 20/10070. Lake othe Krusin Brige i holyte theight. The comme some sinter since in the Sientine.

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185 hourse 974 Margalylor So. M. Norder pusileum mutt. Sen. 1. p. F. . Sury man Rio Rande Bottom at El Chero Beyel, no 2078 les. Sun Dreys One. Parry 1 This as long semals is very new It mulike uni Doll - het om specimes of the letter are not sufficiently perfect for a soril sine companion - Di Cielli Hend Lyn Bran 1. p. 352 is probably the species, 184 - mire El RaroBryce Sitamion Elymoides Muf in Jour de Muyo 84. p 103 Stend Lyn OK. Elim. 1. p. 35%; For in Whips Rep. Rylops Systrip Moto, Sen. 1. p. 86, Elymins: Attanion Sobult. Munt, 2. p. 1, 26, Nolymbering Bysteing kees in turn hut tout, 1. p. 284; Howks other and Bucky p. 404; Stein te. pr 35-6.

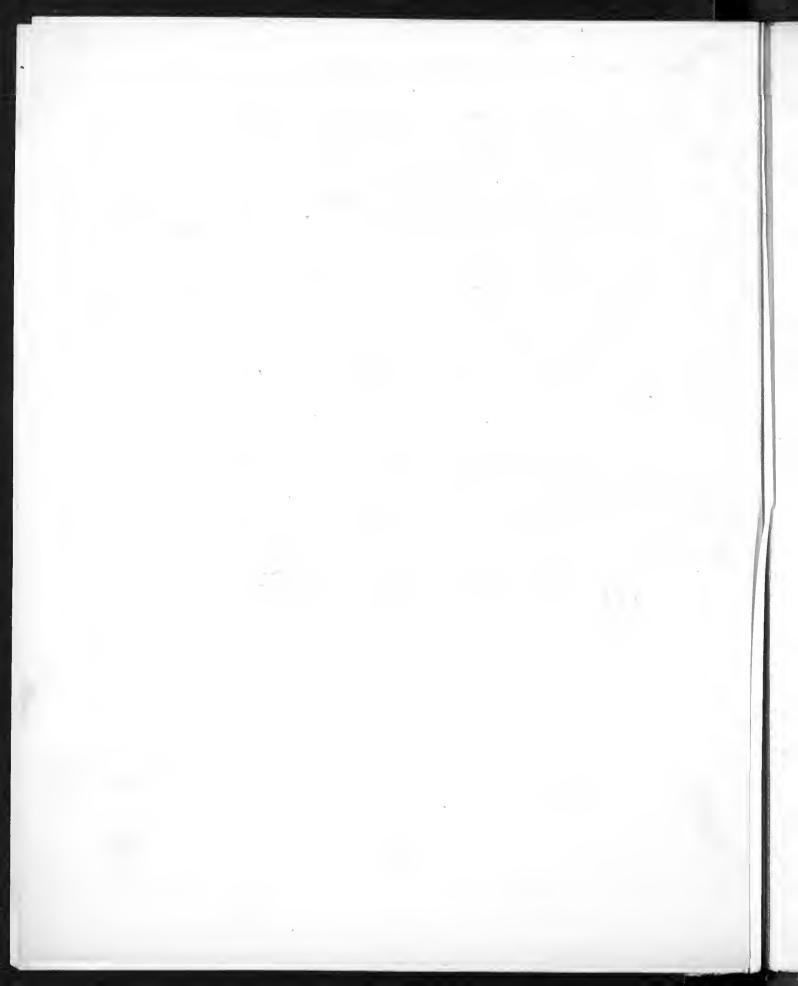
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3. Glumes + puleur mostly Entire. Turious boculities Topas & new May ico By down 2076. Bryth - 903 French -Phis is a surge tracinthe speaks has a very linde Sunge & is very suriable, the Extreme form would be taken for distinct speaks - "he species from culifornin basse mulliped glives and the pulen high - hands most of those from Diest of the Kookey ants much putting glives & halen a der not differ from Robjums weight in habit. intermediate forms nomen come of the two.

murron Symmona For, May Rep. p. 15.8, Oryptis Symusion Sud, Sen. p. 49, no 894 Fend hen, my fol, no 20 00 try ht. 191 Munroe Souveri M

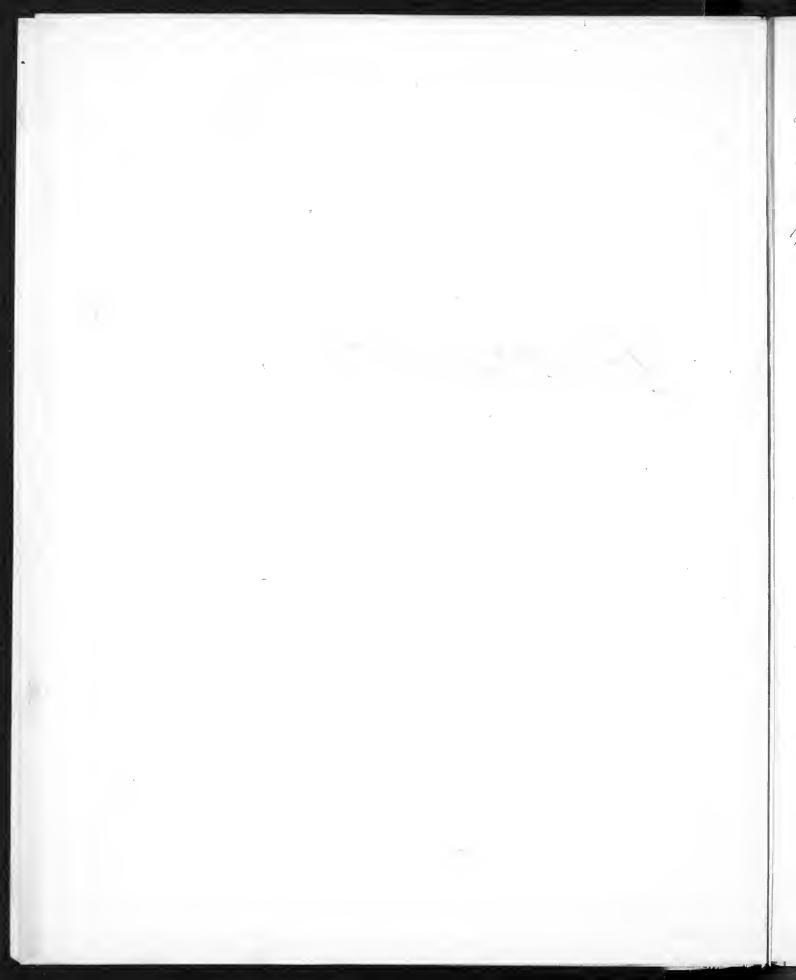
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Munisuris grundaris Swatz; PM Emm 1. p 469.

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2 10 S. 2 Frachypogon mueroglopus Frin. andropog. b. 257 Typas, Irmond. no 342, 2 lol, Om Specimens of this learlight grups agree with an anshatie Bugilin Species from Francis Egeft that the leves & thenth's are globrous, Heteropoyon contistus Dero; Trui lendropoy , p 205 H. contostus Ats. (teste Frim) androp oyon contostes deini; the Eum. f. p. Holle. Rio Example Bryilow, Johnt, Cooks Spring Whey Buyelow, Fort Luye Surry, Gonora Thurten no 2099 Might (+ 809 col 1849) This species which their in with of folings to pulseement of his different of glaves have hun described under other humas but we. home not the Ansens of identifying them, 194 morroe - Souver th, 195 Air & Brigil. andropagon candriles Frim, andropay. b. 260. Thorium aliuris hees. (fide kin) mountain of the Lempin Pagel on; he 2106 Mrijs & ho A4 (col 1849) 196 murve, Sempin Brige andropogon hutallin Ohup. Pup. OlvHollin cillator hut. Sen 1.p. 83, Heger Framed 3692 tol & in one of Wright

Curlier collection,

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(Bruy Justs Mills & Stack) 69 mingent. hum Painter aufor on the dempire a Roch lesule; Brythw - a by large flowed from istueld may be another species - 197 hurre Brigel andropogon heili ? Breil in Iteles hem the hundres, Bazilow, Ino 2104 Might, hem furentes hat differ in the many never comers (not chameled) glame of keeped & - 198 hunne. hinder, Pright, Andropogon macrousus, heich, fl 1. p 75; Frie andropog. p 280. hum the hun Als Hear, Bryilow; ho 2100 aright, Palm Valley Tung; hos 491 to Nor Berled,

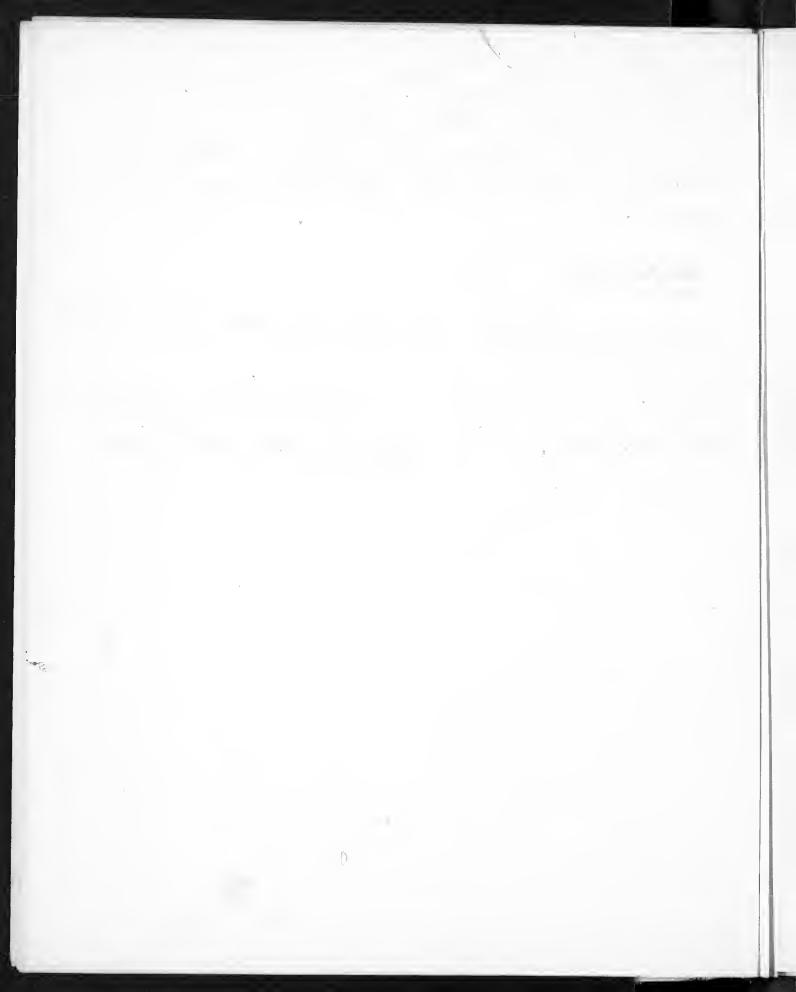
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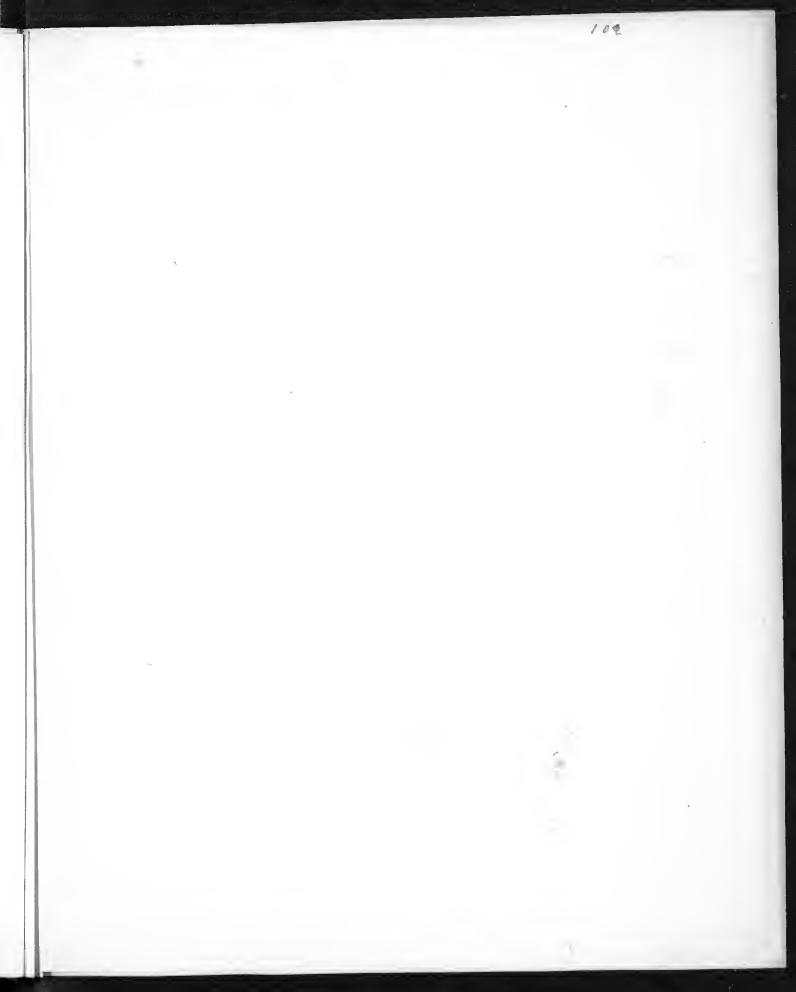
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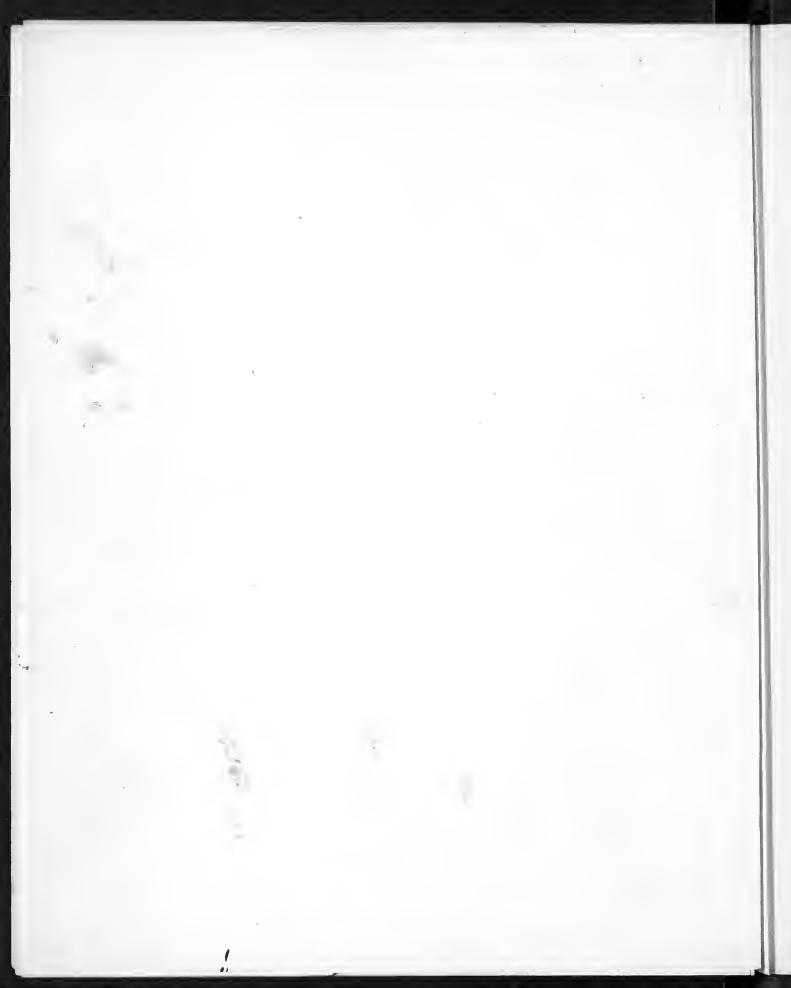
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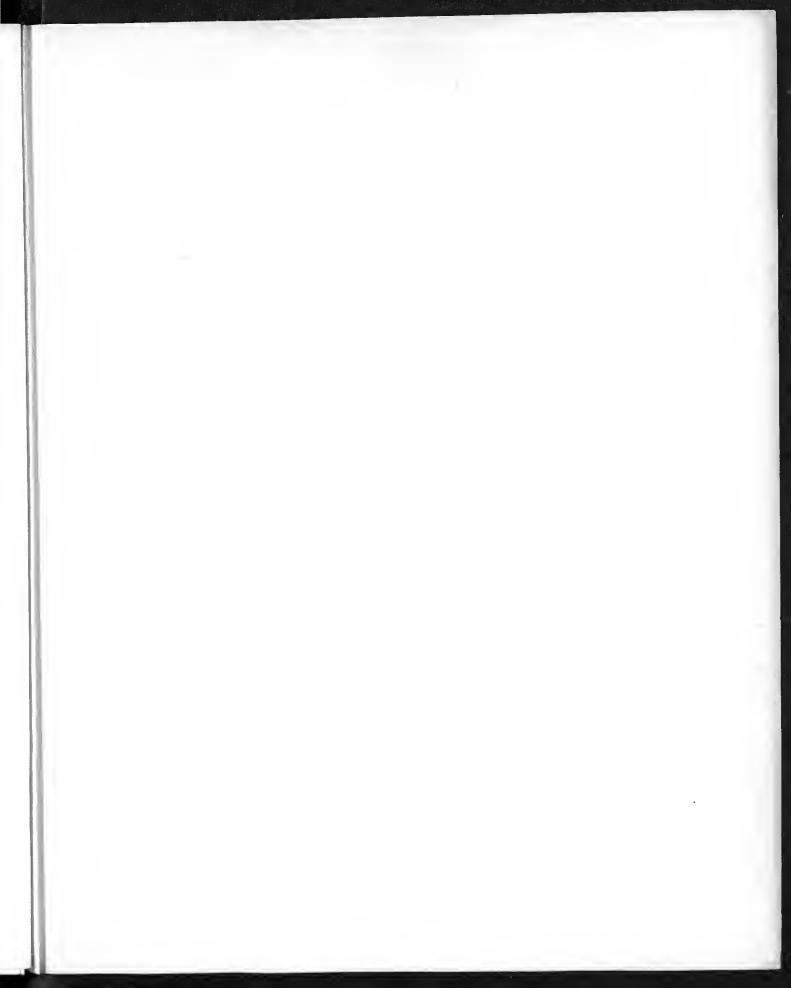
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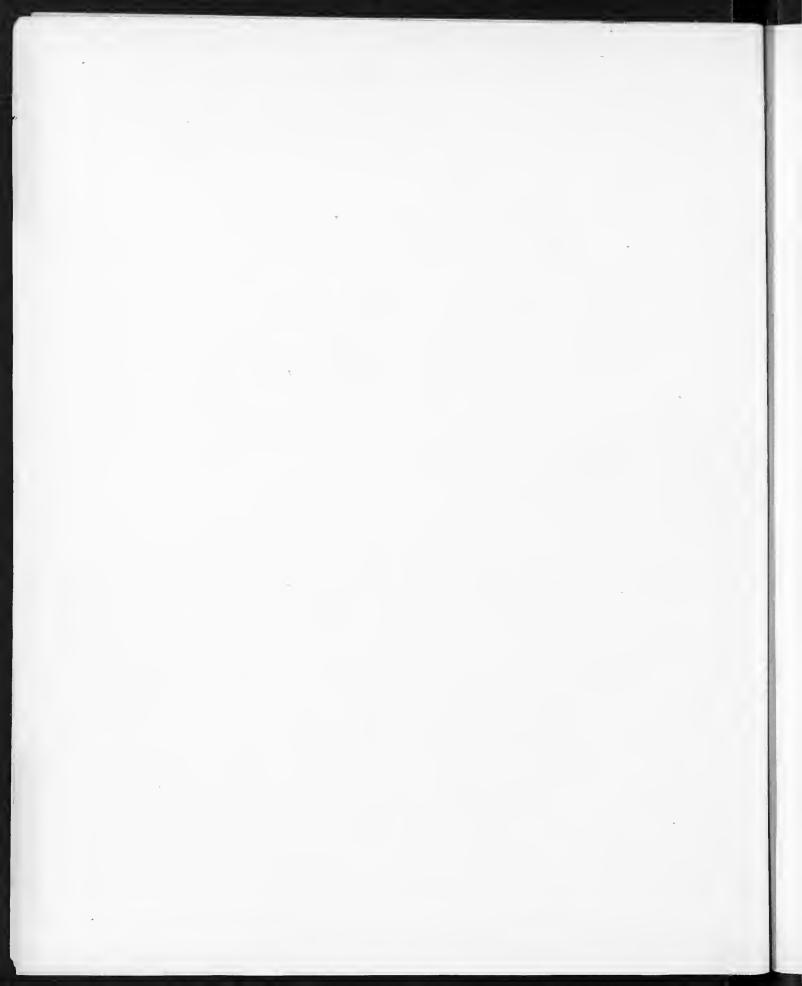
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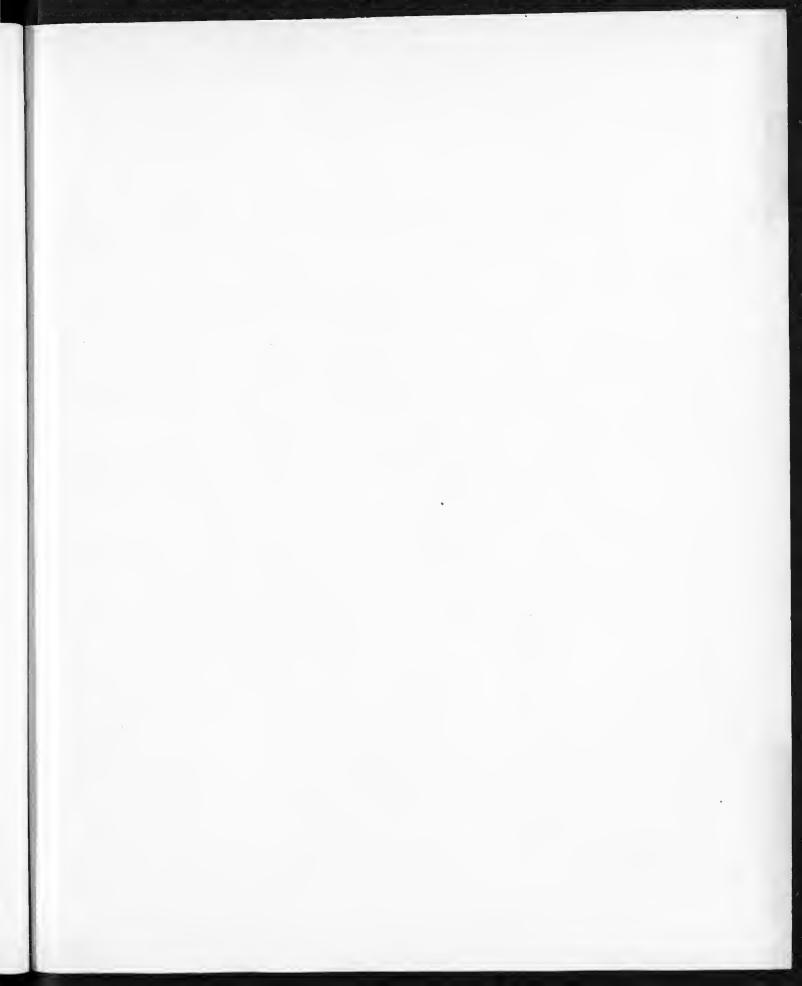


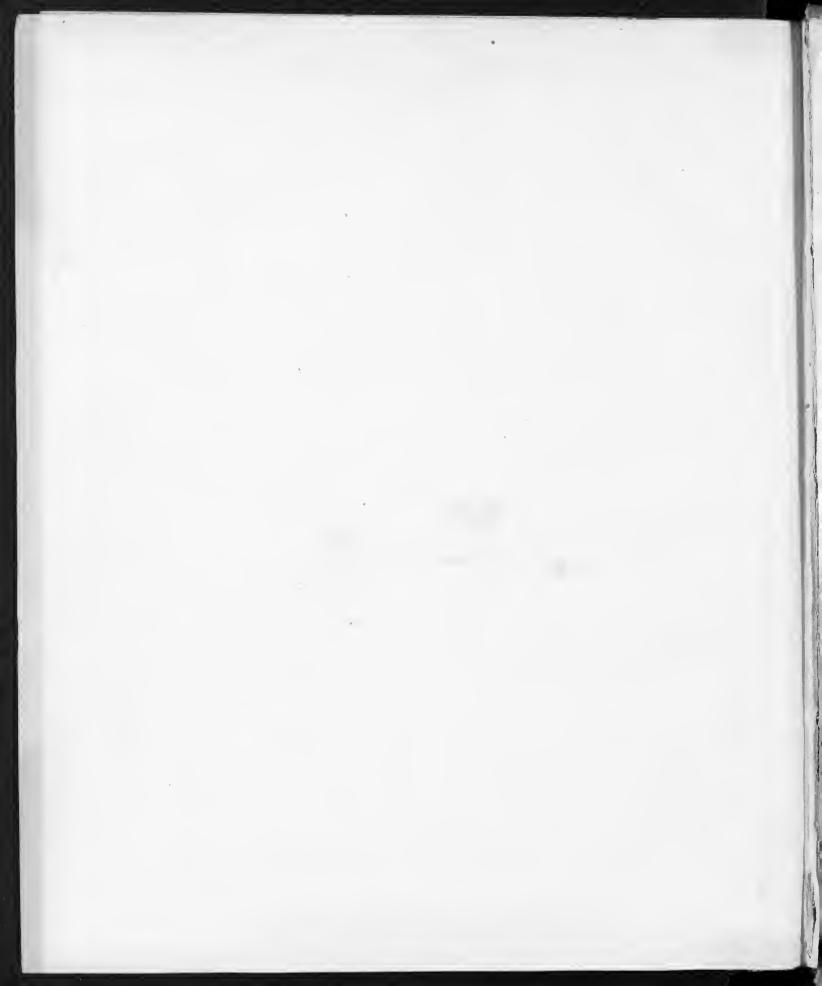


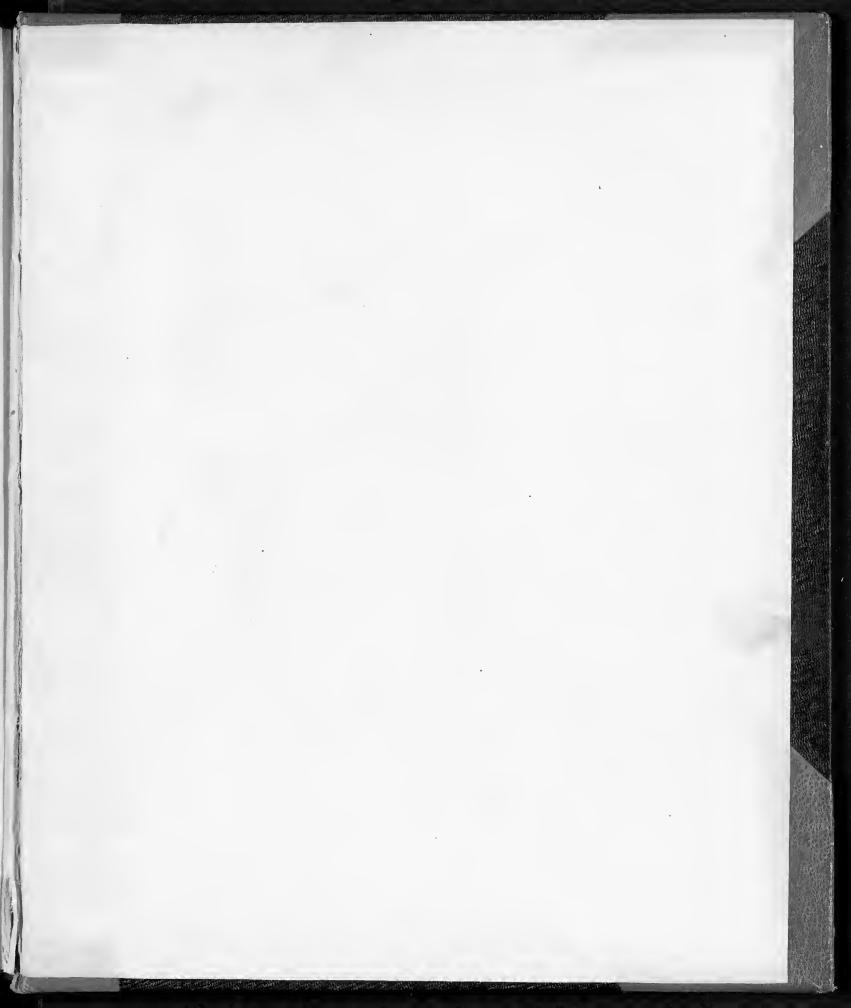


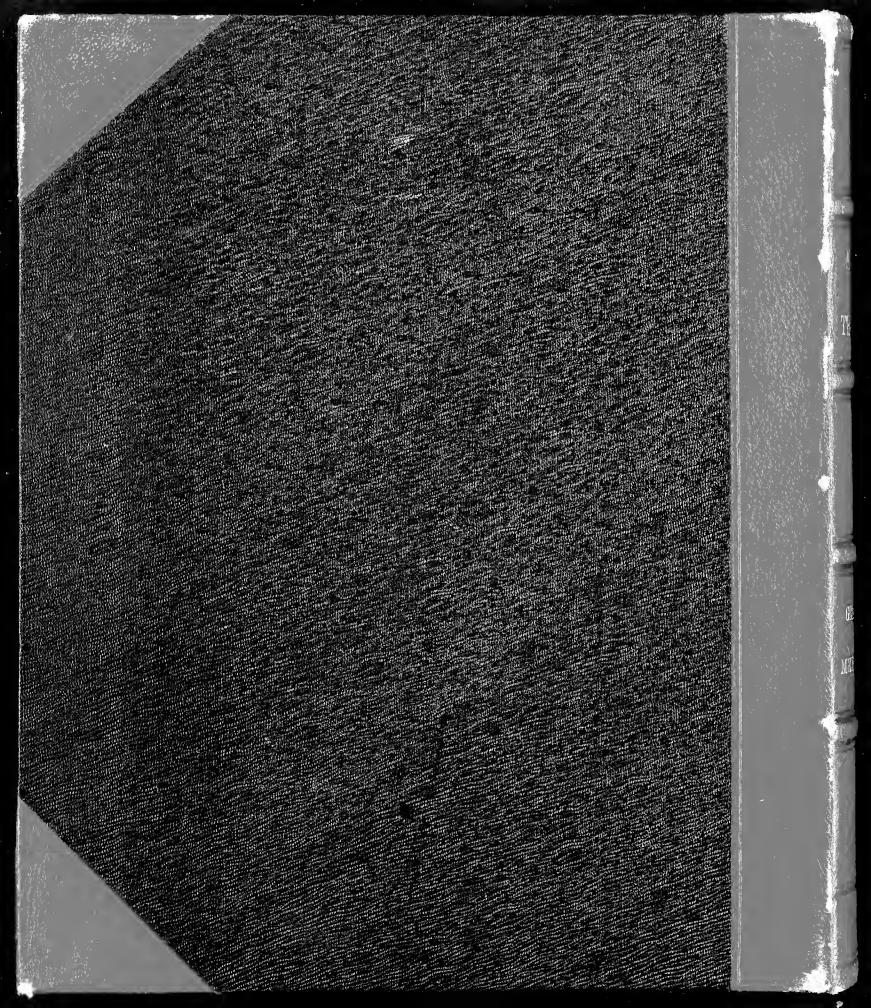












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20 Schijachyrium underselien A.S.K.